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SIGNIFICANT DECLINE IN CAPTURED LOUISIANA WATERTHRUSHES AT GREAT SMOKY MOUNTAINS INSTITUTE AT TREMONT IN 2003

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Monitoring Avian Productivity and Survivorship (MAPS) is a continent-wide breeding season banding protocol administered by the Institute for Bird Populations (IBP). Started in 1989, MAPS is standardized for the purpose of comparing data across over 500 stations occupying a wide range of habitats. The breeding season is divided into 10 periods and each station opens nets (usually ten 12-m nets) once during each period. Same-size nets are placed at the same location and orientation every banding day through each season, and they are opened and closed at the same time with respect to sunrise. The results are that capture and recovery rates have a high statistical value.

Great Smoky Mountains Institute at Tremont (GSMIT) ran a MAPS station from 2000 through 2006. This paper documents changes in Louisiana Waterthrush (LOWA; *Seiurus motacilla*; Figure 1) numbers observed at the MAPS station through 2005.

GSMIT is located in Walker Valley in Blount County, Tennessee near the northwest corner of Great Smoky Mountains National Park, at an elevation of approximately 427 m (1400 ft). The Middle Prong of the Little River runs south-to-north along the bottom of the valley. Botanically, GSMIT is characterized by a second

growth mix of xeric hardwood and hemlock forest. GSMIT is an educational program which has hosted approximately 5000 people per year for 35 years; there are numerous trails and man ways in the area. Most of this impact is kept away from the river. Besides the river, the study area contains a sewage lagoon, a year-round spring, several buildings, a parking lot, and three trailheads. Within less than one kilometer on either side of the Middle Prong the sides of the valley rise over 300 meters. The approximately 10-ha study area is defined by the location of ten 12-meter mist nets. The nets are 3-50 meters from the Middle Prong of the Little River on the outskirts of the area affected by the educational program, but are secluded enough not to be directly impacted.

Over the seven years of the station's existence 374 birds of 27 species were captured. Louisiana Waterthrush were captured more often than any other species with 194 individuals caught. During breeding season LOWA are also one of the most frequently heard birds in Walker Valley. They are often observed walking along the river's edge, hopping on rocks in the river or singing from low branches overhanging the river. Observers who walk more than a few minutes from the river rarely see LOWA since the steep sides of Walker Valley restrict appropriate habitat to a narrow strip along the bottom of the valley.

In 2003 the first MAPS banding date was 26 May. This day is notable as being one of only three times in station history that no LOWA were caught, and the first time none were caught on opening day. We had only 17 captures of this species the entire 2003 season. The mean capture rate of LOWA for 2000 through 2006, not counting 2003, was 29.5 captures per season (range 21–34) (Super 2006). During the 2003 season there were only 2 recaptures, which may indicate that many birds dispersed early. This is somewhat supported by personal observations that there were not many LOWA heard singing throughout the breeding season. Numbers of other species captured are generally too low for analysis, but no unusual capture patterns were detected other than LOWA. These numbers include non-same day recaptures, as this indicates the overall amount of activity by the species, not just the number of individuals present. Activity is an indicator of whether there are young on the nest, which would necessitate more flights, and reasonably more captures.

It was not possible to determine whether the 11 hatch-year birds captured were produced within the station area, as opposed to along one of the smaller creeks in the area. These creeks are higher on the slope and somewhat less subject to flooding. In support of this hypothesis, we observed that the number of adults captured in 2003, six, was similar to the number of adults captured in years prior to and after 2003 (nine in 2000, seven in 2001, six in 2002 and eight in 2004). The number of hatch-year birds captured in 2003 was low compared to other years (Table 1). These data suggest that reduced breeding success, rather than loss of adults, was the primary reason for reduced captures. Because the author knows of no other station in the area that captures significant numbers of LOWA, comparisons to other stations were not possible.

Table 1. Age classes of Louisiana Waterthrushes captured at the Tremont MAPS station from 2000-2005

Age class	2000	2001	2002	2003	2004	2005
AHY	9	7	6	6	8	8
HY	20	27	15	11	25	25
Total	29	34	21	17	33	33

AHY = After Hatching Year (adult); HY = Hatching Year (fledged that nesting season)

Louisiana Waterthrushes nest very close to river edges, often under overhanging banks, sometimes within eroded root systems (Dunn & Garrett 1997; Muise, personal observation). According to Brady Matteson (Pers. Comm.) they often nest along small, shallow streams that flow into mountain rivers. They are also known to dig a small hollow in moist soil under an overhang (Harrison 1984). Although no serious nest searches have been undertaken in Walker Valley, two nests were found during other activities. Each was on a small tributary less than 12 m (40 ft) above the Middle Prong, and each was located less than 0.5 vertical meters above the channel of the stream. This is consistent with the above sources.

LOWA are one of the first neotropical migrants to return in spring (Harrison 1984; Stupka 1963; Muise, personal observations). Alsop (1991) lists the return time as the third week of March. The ten-year average return date at GSMIT is 24 March (GSMIT, unpublished data).

One possible explanation for this atypical pattern of LOWA captures is a flood event that occurred 6-8 May 2003. In this period, Walker valley received 16.5 cm (6.51 in) of rain — more than 13% of the entire year's rainfall — with 9.4 cm (3.7 in) falling on 6 May alone. This storm event caused extensive flooding within and around the national park, closing roads, knocking down trees and creating significant erosion. Higher elevations may have received even higher rainfall, which resulted in a surge of the Middle Prong of the Little River to nearly 2.7 m (9 ft) at its crest. During breeding season the river gauge generally reads between 15.2 and 30.5 cm (6-12 in), although it is not uncommon for the gauge to read as high as 61 cm (2 ft) after a rain event. The river periodically gets much higher — 1.2 to 1.5 m (4-5 ft) — outside of the breeding season. However, the river never had such a rise during any of the other MAPS periods during the study.

Although none of the well-camouflaged LOWA nests had been located that year, one can assume the birds were on nests because they had been heard singing for several weeks. Therefore, the flood event may have negatively impacted breeding success of LOWA in 2003. Two nests found in previous years were both on the ground under erosion-exposed roots, and both were next to small tributaries of the Middle Prong. These two tributaries flowed well out of their banks during the May 2003 rain event and would have flooded both of these nests.

A resulting question then was how the birds would fare the following year. During the 2004 season we caught a more typical 33 LOWA (Table 1). It seems that the species recovered. Possibly this is because few or no adults were lost in the flood, or perhaps this is a result of recruitment from other locations that were not hard hit by the flood. To date, no recaptures have been made of birds banded elsewhere, so it is not possible to ascertain how many birds typically come from elsewhere to breed here, though presumably that number is low.

ACKNOWLEDGMENTS

The authors would like to thank Paul Super who started this station and helped to train us, Michelle Prysby, who provided much support over the years, and the many, mostly student volunteers who helped to man the station. Additional thanks are due to Chris Welsh, Rad Mayfield, and two anonymous reviewers.

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Figure 1. Louisiana Waterthrush banded at Great Smoky Mountains Institute at Tremont MAPS station.

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2007 UPDATE TO THE OFFICIAL LIST OF THE BIRDS OF TENNESSEE

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The Tennessee Bird Records Committee (TBRC) of the Tennessee Ornithological Society (TOS) maintains the Official List of the Birds of Tennessee (OLBT) and insures that sightings of rare species are accurately and adequately documented for posterity. This report presents the fourth edition of the OLBT and includes all actions by the TBRC through the 2007 round of reviews. Also included in this report is a Review List of species which should be documented and reported to the TBRC if observed within Tennessee.

HISTORY OF THE OFFICIAL CHECKLIST

The TBRC (originally known as the TOS Certification Committee) was formed by a resolution at the 1982 TOS Spring Meeting and charged with the duty of compiling the first official list of all the bird species documented to have occurred in the state (Stallings 1982). This first edition of the OLBT was published in 1983 (Nicholson 1983). The committee's requirements for inclusion on the list were the existence of a specimen, photograph, or sound recording of the species or three independent, sufficiently documented reports of the species from within Tennessee. Additional species were included with "Provisional Status" if the documentation of their occurrence did not meet these requirements. Annotations were included to denote species considered extinct or extirpated from the state and introduced species considered to be established within the state. This first edition of the OLBT contained 348 species of which 14 were considered provisional, 4 extinct or extirpated, and 6 established, introduced species (Nicholson 1983).

The second edition of the OLBT was published in 1998 (Knight 1998) and reflected all TBRC actions through 1997. The format of the list and the requirements for inclusion remained the same as those for the original list with the exception that established, introduced species were not specially denoted. The second edition of the OLBT included a total of 390 species of which 20 were considered provisional, 2 extirpated from the state, and 2 extinct (Knight 1998).

In 1999, the TBRC produced a third edition of the OLBT which included a status code for each species on the list and annotations to indicate those species which had successfully bred in Tennessee. In addition to the previously used status codes of "Provisional," "Extirpated," and "Extinct," three new status codes were adopted: "Regular" defined as having been reported 9 of the previous 10 years or 30 times in the last 10 years, "Casual" defined as having been reported at least 4 times in the last 10 years, and "Accidental" defined as having been reported less than 4 times in the last 10 years. The list of review species for which

the TBRC requested documentation included all species with provisional, accidental, or casual status as well as any regular species seen outside of its normal range or season. A species was considered to have successfully bred in Tennessee if young were hatched (but not necessarily fledged) from eggs laid in a nest within the state border. Documentation of breeding success was compiled from the *Atlas of the Breeding Birds of Tennessee* (Nicholson 1997) and other published accounts (M.A. Greene, Pers. Comm.). This major update of the OLBT was never published in *The Migrant* and only appeared on the TBRC webpage of the TOS website (www.tnbirds.org). Subsequent updates were made to the online version of the checklist following actions by the TBRC.

NOTES ON THE CURRENT EDITION

The fourth edition of the OLBT presented herein reflects all TBRC actions through the 2007 round of reviews. Organization of the list follows the taxonomy of the seventh edition of the American Ornithologists' Union Check-list of North American Birds (AOU 1998) and all subsequent supplements through the Forty-eighth Supplement (AOU 2007). The requirements for inclusion remain the same as for previous editions of the list: an existing specimen, photograph, or sound recording of the species or three independent, sufficiently documented reports of the species from within Tennessee. Accepted species are placed on the list with provisional status (denoted by **(P)**) if these requirements are not met. Species denoted with an asterisk (*) are documented to have bred within Tennessee in accordance with the classification of "confirmed breeder" defined in the *Atlas of the Breeding Birds of Tennessee* (documented evidence of a nest or young) (Nicholson 1997). Each species on the list is denoted with a status code defined as follows:

- **R**egular – expected to occur every year in appropriate range and season
- **C**asual – occurs with some frequency but not regularly
- **A**ccidental – very rare and unpredictable vagrant
- **E**xtirpated – no longer occurs within the state
- **EX**tinct.

The status of each species is determined by the TBRC based on the recent and historical frequency with which the species is reported in Tennessee with emphasis placed on recent trends of occurrence. The primary sources used in this determination are TBRC submissions and the seasonal reports published in *The Migrant*.

The current checklist contains 406 species of which 274 are considered regular, 30 casual, 97 accidental, 3 extirpated, and 2 extinct. Of these species, 182 are known to have bred within Tennessee. Of the 97 accidental species, 13 are further classified as provisional.

This edition of the OLBT was drafted by TBRC members Kevin Calhoon, Phillip Casteel, Dean Edwards (Secretary), John Henderson, Donald Miller, Richard Preston, and Jan Shaw. The committee members would also like to thank Mark Greene, Richard Knight, Charles Nicholson, Chris Sloan, and Michael Todd for reviewing the checklist and species status codes.

THE REVIEW LIST

Following the main list is the Review List containing 131 species for which the TBRC requests documentation when seen within the state or outside of their expected range. The Review List includes all accidental species and some of the more rare casual species. Documentation is also requested for some regular species when observed outside of their limited range or normal season. Obviously, the TBRC also requests documentation for any species not currently on the list or any species listed as extirpated or extinct. Finally, the TBRC requests documentation of breeding evidence for any species not currently designated as a confirmed breeder within the state. Report forms and instructions for submission are available online on the TBRC page of the TOS website (www.tnbirds.org).

As a special note, the recent reports of Trumpeter Swan and Whooping Crane in Tennessee represent birds from as-yet un-established reintroduction efforts in northern states. The TBRC encourages everyone to continue documenting such sightings and reporting them to the regional editors of the seasonal reports in *The Migrant*; however, the TBRC will not act on these reports unless these populations should become established and self-sustaining.

OFFICIAL LIST OF THE BIRDS OF TENNESSEE

Order Anseriformes

Family Anatidae

Subfamily Dendrocygninae

Black-bellied Whistling-Duck, *Dendrocygna autumnalis*, A*

Fulvous Whistling-Duck, *Dendrocygna bicolor*, C

Subfamily Anserinae

Greater White-fronted Goose, *Anser albifrons*, R

Snow Goose, *Chen caerulescens*, R

Ross's Goose, *Chen rossii*, R

Brant, *Branta bernicla*, A

Barnacle Goose, *Branta leucopsis*, A

Cackling Goose, *Branta hutchinsii*, R

Canada Goose, *Branta canadensis*, R*

Mute Swan, *Cygnus olor*, C

Trumpeter Swan, *Cygnus buccinator*, E

Tundra Swan, *Cygnus columbianus*, R

Subfamily Anatinae

Wood Duck, *Aix sponsa*, R*

Gadwall, *Anas strepera*, R

Eurasian Wigeon, *Anas penelope*, A

American Wigeon, *Anas americana*, R

American Black Duck, *Anas rubripes*, R*

Mallard, *Anas platyrhynchos*, R*

Mottled Duck, *Anas fulvigula*, A

Blue-winged Teal, *Anas discors*, R*

Cinnamon Teal, *Anas cyanoptera*, A

Northern Shoveler, *Anas clypeata*, R*

Northern Pintail, *Anas acuta*, R

Garganey, *Anas querquedula*, A

Green-winged Teal, *Anas crecca*, R

Canvasback, *Aythya valisineria*, R

Redhead, *Aythya americana*, R

Ring-necked Duck, *Aythya collaris*, R

Greater Scaup, *Aythya marila*, R

Lesser Scaup, *Aythya affinis*, R

King Eider, *Somateria spectabilis*, A

Harlequin Duck, *Histrionicus histrionicus*, A

Surf Scoter, *Melanitta perspicillata*, R

White-winged Scoter, *Melanitta fusca*, C

Black Scoter, *Melanitta nigra*, C

Long-tailed Duck, *Clangula hyemalis*, C

Bufflehead, *Bucephala albeola*, R

Common Goldeneye, *Bucephala clangula*, R

Barrow's Goldeneye, *Bucephala islandica*, A **(P)**

Hooded Merganser, *Lophodytes cucullatus*, R*

Common Merganser, *Mergus merganser*, R

Red-breasted Merganser, *Mergus serrator*, R

Masked Duck, *Nomonyx dominicus*, A

Ruddy Duck, *Oxyura jamaicensis*, R

Order Galliformes
- Family Phasianidae
  - Subfamily Tetraoninae
    - Ruffed Grouse, *Bonasa umbellus*, R*
    - Greater Prairie-Chicken, *Tympanuchus cupido*, E
  - Subfamily Meleagridinae
    - Wild Turkey, *Meleagris gallopavo*, R*
- Family Odontophoridae
  - Northern Bobwhite, *Colinus virginianus*, R*

Order Gaviiformes
- Family Gaviidae
  - Red-throated Loon, *Gavia stellata*, R
  - Pacific Loon, *Gavia pacifica*, C
  - Common Loon, *Gavia immer*, R
  - Yellow-billed Loon, *Gavia adamsii*, A

Order Podicipediformes
- Family Podicipedidae
  - Pied-billed Grebe, *Podilymbus podiceps*, R*
  - Horned Grebe, *Podiceps auritus*, R
  - Red-necked Grebe, *Podiceps grisegena*, C
  - Eared Grebe, *Podiceps nigricollis*, R
  - Western Grebe, *Aechmophorus occidentalis*, A
  - Clark's Grebe, *Aechmophorus clarkii*, A

Order Procellariiformes
- Family Procellariidae
  - Greater Shearwater, *Puffinus gravis*, A
- Family Hydrobatidae
  - Band-rumped Storm-Petrel, *Oceanodroma castro*, A

Order Pelecaniformes
- Family Sulidae
  - Northern Gannet, *Morus bassanus*, A **(P)**
- Family Pelecanidae
  - American White Pelican, *Pelecanus erythrorhynchos*, R
  - Brown Pelican, *Pelecanus occidentalis*, A
- Family Phalacrocoracidae
  - Neotropic Cormorant, *Phalacrocorax brasilianus*, A
  - Double-crested Cormorant, *Phalacrocorax auritus*, R*
- Family Anhingidae
  - Anhinga, *Anhinga anhinga*, R*
- Family Fregatidae
  - Magnificent Frigatebird, *Fregata magnificens*, A

Order Ciconiiformes
- Family Ardeidae
  - American Bittern, *Botaurus lentiginosus*, R*
  - Least Bittern, *Ixobrychus exilis*, R*
  - Great Blue Heron, *Ardea herodias*, R*
  - Great Egret, *Ardea alba*, R*
  - Snowy Egret, *Egretta thula*, R*
  - Little Blue Heron, *Egretta caerulea*, R*
  - Tricolored Heron, *Egretta tricolor*, R*
  - Reddish Egret, *Egretta rufescens*, A
  - Cattle Egret, *Bubulcus ibis*, R*
  - Green Heron, *Butorides virescens*, R*
  - Black-crowned Night-Heron, *Nycticorax nycticorax*, R*
  - Yellow-crowned Night-Heron, *Nyctanassa violacea*, R*
- Family Threskiornithidae
  - Subfamily Threskiornithinae
    - White Ibis, *Eudocimus albus*, R
    - Glossy Ibis, *Plegadis falcinellus*, C
    - White-faced Ibis, *Plegadis chihi*, A
  - Subfamily Plataleinae
    - Roseate Spoonbill, *Platalea ajaja*, A
- Family Ciconiidae
  - Wood Stork, *Mycteria americana*, C

Order Falconiformes
- Family Cathartidae
  - Black Vulture, *Coragyps atratus*, R*
  - Turkey Vulture, *Cathartes aura*, R*
- Family Accipitridae
  - Subfamily Pandioninae
    - Osprey, *Pandion haliaetus*, R*
  - Subfamily Accipitrinae
    - Swallow-tailed Kite, *Elanoides forficatus*, A
    - White-tailed Kite, *Elanus leucurus*, A
    - Mississippi Kite, *Ictinia mississippiensis*, R*
    - Bald Eagle, *Haliaeetus leucocephalus*, R*
    - Northern Harrier, *Circus cyaneus*, R*
    - Sharp-shinned Hawk, *Accipiter striatus*, R*
    - Cooper's Hawk, *Accipiter cooperii*, R*
    - Northern Goshawk, *Accipiter gentilis*, C
    - Red-shouldered Hawk, *Buteo lineatus*, R*
    - Broad-winged Hawk, *Buteo platypterus*, R*
    - Swainson's Hawk, *Buteo swainsoni*, A
    - Red-tailed Hawk, *Buteo jamaicensis*, R*
    - Rough-legged Hawk, *Buteo lagopus*, R
    - Golden Eagle, *Aquila chrysaetos*, R*
- Family Falconidae
  - Subfamily Falconinae
    - American Kestrel, *Falco sparverius*, R*
    - Merlin, *Falco columbarius*, R
    - Gyrfalcon, *Falco rusticolus*, A **(P)**

Peregrine Falcon, Falco peregrinus, R*
Prairie Falcon, *Falco mexicanus*, A

Order Gruiformes

Family Rallidae
Yellow Rail, *Coturnicops noveboracensis*, C
Black Rail, *Laterallus jamaicensis*, A*
Clapper Rail, *Rallus longirostris*, A
King Rail, *Rallus elegans*, R*
Virginia Rail, *Rallus limicola*, R*
Sora, *Porzana carolina*, R*
Purple Gallinule, *Porphyrio martinica*, C*
Common Moorhen, *Gallinula chloropus*, C*
American Coot, *Fulica americana*, R*

Family Aramidae
Limpkin, *Aramus guarauna*, A

Family Gruidae
Subfamily Gruinae
Sandhill Crane, *Grus canadensis*, R

Order Charadriiformes

Family Charadriidae
Subfamily Charadriinae
Black-bellied Plover, *Pluvialis squatarola*, R
American Golden-Plover, *Pluvialis dominica*, R
Snowy Plover, *Charadrius alexandrinus*, A
Wilson's Plover, *Charadrius wilsonia*, A **(P)**
Semipalmated Plover, *Charadrius semipalmatus*, R
Piping Plover, *Charadrius melodus*, C
Killdeer, *Charadrius vociferus*, R*

Family Recurvirostridae
Black-necked Stilt, *Himantopus mexicanus*, R*
American Avocet, *Recurvirostra americana*, R

Family Scolopacidae
Subfamily Scolopacinae
Spotted Sandpiper, *Actitis macularius*, R*
Solitary Sandpiper, *Tringa solitaria*, R
Greater Yellowlegs, *Tringa melanoleuca*, R
Willet, *Tringa semipalmata*, R
Lesser Yellowlegs, *Tringa flavipes*, R
Upland Sandpiper, *Bartramia longicauda*, R
Whimbrel, *Numenius phaeopus*, C
Long-billed Curlew, *Numenius americanus*, A
Hudsonian Godwit, *Limosa haemastica*, C
Marbled Godwit, *Limosa fedoa*, C
Ruddy Turnstone, *Arenaria interpres*, R
Red Knot, *Calidris canutus*, C
Sanderling, *Calidris alba*, R
Semipalmated Sandpiper, *Calidris pusilla*, R
Western Sandpiper, *Calidris mauri*, R
Red-necked Stint, *Calidris ruficollis*, A
Least Sandpiper, *Calidris minutilla*, R
White-rumped Sandpiper, *Calidris fuscicollis*, R
Baird's Sandpiper, *Calidris bairdii*, R
Pectoral Sandpiper, *Calidris melanotos*, R
Sharp-tailed Sandpiper, *Calidris acuminata*, A
Purple Sandpiper, *Calidris maritima*, A
Dunlin, *Calidris alpina*, R
Curlew Sandpiper, *Calidris ferruginea*, A
Stilt Sandpiper, *Calidris himantopus*, R
Buff-breasted Sandpiper, *Tryngites subruficollis*, R
Ruff, *Philomachus pugnax*, C
Short-billed Dowitcher, *Limnodromus griseus*, R
Long-billed Dowitcher, *Limnodromus scolopaceus*, R
Wilson's Snipe, *Gallinago delicata*, R
American Woodcock, *Scolopax minor*, R*

Subfamily Phalaropodinae
Wilson's Phalarope, *Phalaropus tricolor*, R
Red-necked Phalarope, *Phalaropus lobatus*, C
Red Phalarope, *Phalaropus fulicarius*, C

Family Laridae
Subfamily Larinae
Laughing Gull, *Larus atricilla*, R
Franklin's Gull, *Larus pipixcan*, R
Little Gull, *Larus minutus*, A **(P)**
Black-headed Gull, *Larus ridibundus*, A
Bonaparte's Gull, *Larus philadelphia*, R
Ring-billed Gull, *Larus delawarensis*, R
California Gull, *Larus californicus*, A
Herring Gull, *Larus argentatus*, R
Thayer's Gull, *Larus thayeri*, C
Iceland Gull, *Larus glaucoides*, A
Lesser Black-backed Gull, *Larus fuscus*, R
Glaucous Gull, *Larus hyperboreus*, A
Great Black-backed Gull, *Larus marinus*, C
Sabine's Gull, *Xema sabini*, A
Black-legged Kittiwake, *Rissa tridactyla*, A
Ivory Gull, *Pagophila eburnea*, A

Subfamily Sterninae
Sooty Tern, *Onychoprion fuscatus*, A
Least Tern, *Sternula antillarum*, R*
Gull-billed Tern, *Gelochelidon nilotica*, A **(P)**
Caspian Tern, *Hydroprogne caspia*, R
Black Tern, *Chlidonias niger*, R
Common Tern, *Sterna hirundo*, R
Arctic Tern, *Sterna paradisaea*, A **(P)**
Forster's Tern, *Sterna forsteri*, R
Royal Tern, *Thalasseus maximus*, A **(P)**

Subfamily Rynchopinae
Black Skimmer, *Rynchops niger*, A
Family Stercorariidae
South Polar Skua, *Stercorarius maccormicki*, A
Pomarine Jaeger, *Stercorarius pomarinus*, A
Parasitic Jaeger, *Stercorarius parasiticus*, A
Long-tailed Jaeger, *Stercorarius longicaudus*, A

Order Columbiformes
Family Columbidae
Rock Pigeon, *Columba livia*, R*
Band-tailed Pigeon, *Patagioenas fasciata*, A
Eurasian Collared-Dove, *Streptopelia decaocto*, R*
White-winged Dove, *Zenaida asiatica*, A
Mourning Dove, *Zenaida macroura*, R*
Passenger Pigeon, *Ectopistes migratorius*, X
Inca Dove, *Columbina inca*, A
Common Ground-Dove, *Columbina passerina*, C

Order Psittaciformes
Family Psittacidae
Subfamily Arinae
Carolina Parakeet, *Conuropsis carolinensis*, X

Order Cuculiformes
Family Cuculidae
Subfamily Cuculinae
Yellow-billed Cuckoo, *Coccyzus americanus*, R*
Black-billed Cuckoo, *Coccyzus erythropthalmus*, R*
Subfamily Crotophaginae
Groove-billed Ani, *Crotophaga sulcirostris*, A

Order Strigiformes
Family Tytonidae
Barn Owl, *Tyto alba*, R*
Family Strigidae
Eastern Screech Owl, *Megascops asio*, R*
Great Horned Owl, *Bubo virginianus*, R*
Snowy Owl, *Bubo scandiacus*, A
Barred Owl, *Strix varia*, R*
Long-eared Owl, *Asio otus*, C
Short-eared Owl, *Asio flammeus*, R
Northern Saw-whet Owl, *Aegolius acadicus*, R*

Order Caprimulgiformes
Family Caprimulgidae
Subfamily Chordeilinae
Common Nighthawk, *Chordeiles minor*, R*
Subfamily Caprimulginae
Chuck-wills-widow, *Caprimulgus carolinensis*, R*
Whip-poor-will, *Caprimulgus vociferus*, R*

Order Apodiformes
Family Apodidae
Subfamily Chaeturinae
Chimney Swift, *Chaetura pelagica*, R*
Family Trochilidae
Subfamily Trochilinae
Ruby-throated Hummingbird, *Archilochus colubris*, R*
Black-chinned Hummingbird, *Archilochus alexandri*, A
Anna's Hummingbird, *Calypte anna*, A
Calliope Hummingbird, *Stellula calliope*, A
Broad-tailed Hummingbird, *Selasphorus platycerus*, A
Rufous Hummingbird, *Selasphorus rufus*, R
Allen's Hummingbird, *Selasphorus sasin*, A

Order Coraciiformes
Family Alcedinidae
Subfamily Cerylinae
Belted Kingfisher, *Megaceryle alcyon*, R*

Order Piciformes
Family Picidae
Subfamily Picinae
Red-headed Woodpecker, *Melanerpes erythrocephalus*, R*
Red-bellied Woodpecker, *Melanerpes carolinus*, R*
Yellow-bellied Sapsucker, *Sphyrapicus varius*, R*
Downy Woodpecker, *Picoides pubescens*, R*
Hairy Woodpecker, *Picoides villosus*, R*
Red-cockaded Woodpecker, *Picoides borealis*, E*
Northern Flicker, *Colaptes auratus*, R*
Pileated Woodpecker, *Dryocopus pileatus*, R*

Order Passeriformes

Family Tyrannidae

Subfamily Fluvicolinae

Olive-sided Flycatcher, *Contopus cooperi*, R*

Eastern Wood-Pewee, *Contopus virens*, R*

Yellow-bellied Flycatcher, *Empidonax flaviventris*, R

Acadian Flycatcher, *Empidonax virescens*, R*

Alder Flycatcher, *Empidonax alnorum*, R*

Willow Flycatcher, *Empidonax traillii*, R*

Least Flycatcher, *Empidonax minimus*, R*

Eastern Phoebe, *Sayornis phoebe*, R*

Say's Phoebe, *Sayornis saya*, A

Vermilion Flycatcher, *Pyrocephalus rubinus*, A

Subfamily Tyranninae

Ash-throated Flycatcher, *Myiarchus cinerascens*, A **(P)**

Great Crested Flycatcher, *Myiarchus crinitus*, R*

Variegated Flycatcher, *Empidonomus varius*, A

Western Kingbird, *Tyrannus verticalis*, R*

Eastern Kingbird, *Tyrannus tyrannus*, R*

Scissor-tailed Flycatcher, *Tyrannus forficatus*, R*

Family Laniidae

Loggerhead Shrike, *Lanius ludovicianus*, R*

Northern Shrike, *Lanius excubitor*, A

Family Vireonidae

White-eyed Vireo, *Vireo griseus*, R*

Bell's Vireo, *Vireo bellii*, C*

Yellow-throated Vireo, *Vireo flavifrons*, R*

Blue-headed Vireo, *Vireo solitarius*, R*

Warbling Vireo, *Vireo gilvus*, R*

Philadelphia Vireo, *Vireo philadelphicus*, R

Red-eyed Vireo, *Vireo olivaceus*, R*

Family Corvidae

Blue Jay, *Cyanocitta cristata*, R*

American Crow, *Corvus brachyrhynchos*, R*

Fish Crow, *Corvus ossifragus*, R*

Common Raven, *Corvus corax*, R*

Family Alaudidae

Horned Lark, *Eremophila alpestris*, R*

Family Hirundinidae

Subfamily Hirundininae

Purple Martin, *Progne subis*, R*

Tree Swallow, *Tachycineta bicolor*, R*

Violet-green Swallow, *Tachycineta thalassina*, A **(P)**

Northern Rough-winged Swallow, *Stelgidopteryx serripennis*, R*

Bank Swallow, *Riparia riparia*, R*

Cliff Swallow, *Petrochelidon pyrrhonota*, R*

Barn Swallow, *Hirundo rustica*, R*

Family Paridae

Carolina Chickadee, *Poecile carolinensis*, R*

Black-capped Chickadee, *Poecile atricapillus*, R*

Tufted Titmouse, *Baeolophus bicolor*, R*

Family Sittidae

Subfamily Sittinae

Red-breasted Nuthatch, *Sitta canadensis*, R*

White-breasted Nuthatch, *Sitta carolinensis*, R*

Brown-headed Nuthatch, *Sitta pusilla*, R*

Family Certhiidae

Subfamily Certhiinae

Brown Creeper, *Certhia americana*, R*

Family Troglodytidae

Rock Wren, *Salpinctes obsoletus*, A

Carolina Wren, *Thryothorus ludovicianus*, R*

Bewick's Wren, *Thryomanes bewickii*, R*

House Wren, *Troglodytes aedon*, R*

Winter Wren, *Troglodytes troglodytes*, R*

Sedge Wren, *Cistothorus platensis*, R*

Marsh Wren, *Cistothorus palustris*, R

Family Regulidae

Golden-crowned Kinglet, *Regulus satrapa*, R*

Ruby-crowned Kinglet, *Regulus calendula*, R

Family Sylviidae

Subfamily Polioptilinae

Blue-gray Gnatcatcher, *Polioptila caerulea*, R*

Family Turdidae

Eastern Bluebird, *Sialia sialis*, R*

Townsend's Solitaire, *Myadestes townsendi*, A

Veery, *Catharus fuscescens*, R*

Gray-cheeked Thrush, *Catharus minimus*, R

Swainson's Thrush, *Catharus ustulatus*, R

Hermit Thrush, *Catharus guttatus*, R

Wood Thrush, *Hylocichla mustelina*, R*

American Robin, *Turdus migratorius*, R*

Varied Thrush, *Ixoreus naevius*, A

Family Mimidae

Gray Catbird, *Dumetella carolinensis*, R*

Northern Mockingbird, *Mimus polyglottos*, R*

Sage Thrasher, *Oreoscoptes montanus*, A

Brown Thrasher, *Toxostoma rufum*, R*

Family Sturnidae

European Starling, *Sturnus vulgaris*, R*

Family Motacillidae

American Pipit, *Anthus rubescens*, R

Sprague's Pipit, *Anthus spragueii*, A

Family Bombycillidae

Cedar Waxwing, *Bombycilla cedrorum*, R*

Family Parulidae
- Blue-winged Warbler, *Vermivora pinus*, R*
- Golden-winged Warbler, *Vermivora chrysoptera*, R*
- Tennessee Warbler, *Vermivora peregrina*, R
- Orange-crowned Warbler, *Vermivora celata*, R
- Nashville Warbler, *Vermivora ruficapilla*, R
- Northern Parula, *Parula americana*, R*
- Yellow Warbler, *Dendroica petechia*, R*
- Chestnut-sided Warbler, *Dendroica pensylvanica*, R*
- Magnolia Warbler, *Dendroica magnolia*, R
- Cape May Warbler, *Dendroica tigrina*, R
- Black-throated Blue Warbler, *Dendroica caerulescens*, R*
- Yellow-rumped Warbler, *Dendroica coronata*, R
- Black-throated Gray Warbler, *Dendroica nigrescens*, A
- Black-throated Green Warbler, *Dendroica virens*, R*
- Townsend's Warbler, *Dendroica townsendi*, A
- Blackburnian Warbler, *Dendroica fusca*, R*
- Yellow-throated Warbler, *Dendroica dominica*, R*
- Pine Warbler, *Dendroica pinus*, R*
- Kirtland's Warbler, *Dendroica kirtlandii*, A **(P)**
- Prairie Warbler, *Dendroica discolor*, R*
- Palm Warbler, *Dendroica palmarum*, R
- Bay-breasted Warbler, *Dendroica castanea*, R
- Blackpoll Warbler, *Dendroica striata*, R
- Cerulean Warbler, *Dendroica cerulea*, R*
- Black-and-white Warbler, *Mniotilta varia*, R*
- American Redstart, *Setophaga ruticilla*, R*
- Prothonotary Warbler, *Protonotaria citrea*, R*
- Worm-eating Warbler, *Helmitheros vermivorum*, R*
- Swainson's Warbler, *Limnothlypis swainsonii*, R*
- Ovenbird, *Seiurus aurocapilla*, R*
- Northern Waterthrush, *Seiurus noveboracensis*, R
- Louisiana Waterthrush, *Seiurus motacilla*, R*
- Kentucky Warbler, *Oporornis formosus*, R*
- Connecticut Warbler, *Oporornis agilis*, R
- Mourning Warbler, *Oporornis philadelphia*, R
- MacGillivray's Warbler, *Oporornis tolmiei*, A
- Common Yellowthroat, *Geothlypis trichas*, R*
- Hooded Warbler, *Wilsonia citrina*, R*
- Wilson's Warbler, *Wilsonia pusilla*, R
- Canada Warbler, *Wilsonia canadensis*, R*
- Yellow-breasted Chat, *Icteria virens*, R*

Family Thraupidae
- Summer Tanager, *Piranga rubra*, R*
- Scarlet Tanager, *Piranga olivacea*, R*
- Western Tanager, *Piranga ludoviciana*, A

Family Emberizidae
- Green-tailed Towhee, *Pipilo chlorurus*, A
- Spotted Towhee, *Pipilo maculatus*, A
- Eastern Towhee, *Pipilo erythrophthalmus*, R*
- Bachman's Sparrow, *Aimophila aestivalis*, R*
- American Tree Sparrow, *Spizella arborea*, R
- Chipping Sparrow, *Spizella passerina*, R*
- Clay-colored Sparrow, *Spizella pallida*, A
- Field Sparrow, *Spizella pusilla*, R*
- Vesper Sparrow, *Pooecetes gramineus*, R*
- Lark Sparrow, *Chondestes grammacus*, R*
- Black-throated Sparrow, *Amphispiza bilineata*, A
- Lark Bunting, *Calamospiza melanocorys*, A
- Savannah Sparrow, *Passerculus sandwichensis*, R*
- Grasshopper Sparrow, *Ammodramus savannarum*, R*
- Henslow's Sparrow, *Ammodramus henslowii*, R*
- LeConte's Sparrow, *Ammodramus leconteii*, R
- Nelson's Sharp-tailed Sparrow, *Ammodramus nelsoni*, C
- Fox Sparrow, *Passerella iliaca*, R
- Song Sparrow, *Melospiza melodia*, R*
- Lincoln's Sparrow, *Melospiza lincolnii*, R
- Swamp Sparrow, *Melospiza georgiana*, R
- White-throated Sparrow, *Zonotrichia albicollis*, R
- Harris's Sparrow, *Zonotrichia querula*, C
- White-crowned Sparrow, *Zonotrichia leucophrys*, R
- Golden-crowned Sparrow, *Zonotrichia atricapilla*, A
- Dark-eyed Junco, *Junco hyemalis*, R*
- McCown's Longspur, *Calcarius mccownii*, A **(P)**
- Lapland Longspur, *Calcarius lapponicus*, R
- Smith's Longspur, *Calcarius pictus*, A
- Snow Bunting, *Plectrophenax nivalis*, C

Family Cardinalidae
- Northern Cardinal, *Cardinalis cardinalis*, R*
- Rose-breasted Grosbeak, *Pheucticus ludovicianus*, R*
- Black-headed Grosbeak, *Pheucticus melanocephalus*, A

Blue Grosbeak, *Passerina caerulea*, R*
Lazuli Bunting, *Passerina amoena*, A
Indigo Bunting, *Passerina cyanea*, R*
Painted Bunting, *Passerina ciris*, R*
Dickcissel, *Spiza americana*, R*

Family Icteridae
Bobolink, *Dolichonyx oryzivorus*, R*
Red-winged Blackbird, *Agelaius phoeniceus*, R*
Eastern Meadowlark, *Sturnella magna*, R*
Western Meadowlark, *Sturnella neglecta*, R*
Yellow-headed Blackbird, *Xanthocephalus xanthocephalus*, C
Rusty Blackbird, *Euphagus carolinus*, R
Brewer's Blackbird, *Euphagus cyanocephalus*, R
Common Grackle, *Quiscalus quiscula*, R*
Shiny Cowbird, *Molothrus bonariensis*, A
Brown-headed Cowbird, *Molothrus ater*, R*
Orchard Oriole, *Icterus spurius*, R*
Bullock's Oriole, *Icterus bullockii*, A
Baltimore Oriole, *Icterus galbula*, R*

Family Fringillidae
Subfamily Carduelinae
Pine Grosbeak, *Pinicola enucleator*, A **(P)**
Purple Finch, *Carpodacus purpureus*, R
House Finch, *Carpodacus mexicanus*, R*
Red Crossbill, *Loxia curvirostra*, R*
White-winged Crossbill, *Loxia leucoptera*, A
Common Redpoll, *Carduelis flammea*, A
Pine Siskin, *Carduelis pinus*, R
American Goldfinch, *Carduelis tristis*, R*
Evening Grosbeak, *Coccothraustes vespertinus*, C

Family Passeridae
House Sparrow, *Passer domesticus*, R*

REVIEW LIST

Black-bellied Whistling-Duck
Fulvous Whistling-Duck
Brant
Barnacle Goose
Cackling Goose (outside W. Tennessee and subsp. other than "Richardson's")
Eurasian Wigeon
Mottled Duck
Cinnamon Teal
Garganey
King Eider
Harlequin Duck
Barrow's Goldeneye
Masked Duck
Pacific Loon (away from Kentucky Lake)
Yellow-billed Loon
Western Grebe
Clark's Grebe
Greater Shearwater
Band-rumped Storm-Petrel
Northern Gannet
Brown Pelican
Neotropic Cormorant
Magnificent Frigatebird
Great Blue Heron ("Great White" Heron)
Tricolored Heron (away from Mississippi River)
Reddish Egret
White-faced Ibis
Roseate Spoonbill
Swallow-tailed Kite
White-tailed Kite
Mississippi Kite (outside West Tennessee)
Northern Goshawk
Swainson's Hawk
Gyrfalcon
Prairie Falcon
Yellow Rail
Black Rail
Clapper Rail
Purple Gallinule
Limpkin
Snowy Plover
Wilson's Plover
Piping Plover (away from Mississippi River)
Black-necked Stilt (away from Mississippi River)
Long-billed Curlew
Hudsonian Godwit
Red-necked Stint
Sharp-tailed Sandpiper
Purple Sandpiper

Curlew Sandpiper
Ruff (away from Mississippi River)
Little Gull
Black-headed Gull
California Gull
Thayer's Gull
Iceland Gull
Lesser Black-backed Gull (outside West Tennessee)
Glaucous Gull
Sabine's Gull
Black-legged Kittiwake
Ivory Gull
Sooty Tern
Gull-billed Tern
Arctic Tern
Royal Tern
Black Skimmer
South Polar Skua
Pomarine Jaeger
Parasitic Jaeger
Long-tailed Jaeger
Band-tailed Pigeon
White-winged Dove
Inca Dove
Common Ground-Dove
Groove-billed Ani
Snowy Owl
Northern Saw-whet Owl (outside East Tennessee)
Ruby-throated Hummingbird (in winter)
Black-chinned Hummingbird
Anna's Hummingbird
Calliope Hummingbird
Broad-tailed Hummingbird
Rufous Hummingbird (to rule out similar species)
Allen's Hummingbird
Say's Phoebe
Vermillion Flycatcher
Ash-throated Flycatcher
Variegated Flycatcher
Northern Shrike
Bell's Vireo
Fish Crow (outside West Tennessee)
Common Raven (outside East Tennessee)
Violet-green Swallow
Black-capped Chickadee (away from highest elevations of eastern mountains)
Brown-headed Nuthatch (away from local breeding areas)
Rock Wren
Bewick's Wren (outside Rutherford and Wilson Co.)
Townsend's Solitaire
Hermit Thrush (breeding)
Varied Thrush
Sage Thrasher
Sprague's Pipit
Magnolia Warbler (breeding)
Yellow-rumped Warbler (breeding and "Audubon's")
Black-throated Gray Warbler
Townsend's Warbler
Kirtland's Warbler
MacGillivray's Warbler
Western Tanager
Green-tailed Towhee
Spotted Towhee
Bachman's Sparrow (outside Hardin and Wayne Co. and Fort Campbell)
Clay-colored Sparrow
Black-throated Sparrow
Lark Bunting
Harris's Sparrow
Golden-crowned Sparrow
Dark-eyed Junco (forms other than "Slate-colored")
McCown's Longspur
Smith's Longspur
Black-headed Grosbeak
Lazuli Bunting
Painted Bunting (outside Shelby County)
Western Meadowlark (outside West Tennessee)
Yellow-headed Blackbird
Shiny Cowbird
Bullock's Oriole
Pine Grosbeak
Red Crossbill (away from eastern mountains)
White-winged Crossbill
Common Redpoll

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2006 TENNESSEE FALL NORTH AMERICAN MIGRATION COUNTS

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This report summarizes the 7th consecutive Tennessee Fall North American Migration Count (NAMC), which is always held on the 3rd Saturday in September as part of the International Migratory Bird Day (IMBD), an event designed to draw attention to migrating birds. Only 5 counties were censused this year. Seventy-five observers logged 187.42 party hours in finding 157 species and 22,893 individual birds (Table 1). This equals 122.1 birds/party hour. Northern Pintail, Least Bittern, Virginia Rail (all found on the Greene County count), and Connecticut Warbler were new species for this count, bringing the all-time species total to 216. The weather was warm to hot with no precipitation and little or no wind. Temperatures ranged from 51-92° F. Other unusual species found on this year's count included Barn Owl, Whip-poor-will (only the second record on this count in 7 years), Olive-sided and Alder Flycatchers, Horned Lark, Lincoln's Sparrow, and Baltimore Oriole. Species appearing in record high numbers were: American Black Duck, Wild Turkey, Eastern Screech Owl, Great Horned Owl, Barred Owl, Pileated Woodpecker, Eastern Wood-Pewee, Eastern Phoebe, Eastern Kingbird, White-eyed Vireo, Yellow-throated Vireo, Tree Swallow, White-breasted Nuthatch, Carolina Wren, Eastern Bluebird, Gray-cheeked and Swainson's Thrushes, Gray Catbird, Golden-winged and Hooded Warblers, Eastern Towhee, Northern Cardinal, and Indigo Bunting. Species appearing in all-time lowest numbers included Pied-billed Grebe, Spotted Sandpiper, Great Crested Flycatcher, Black-throated Green and Yellow-throated Warblers, Scarlet Tanager, and Brown-headed Cowbird. The totals for "observers," "parties," "miles by foot," "hours owling," and "feeder observers" were also the highest ever.

COUNTY SUMMARIES

Blount County – 0500-2015. Weather: mostly sunny; 60-81° F. Areas covered included Alcoa, Alcoa Marsh, Alcoa/Maryville Greenway, Cades Cove, Chilhowee Dam, Eastern Blount Co., Foothills Parkway, Friendsville, Kyker Bottoms, Louisville, Louisville Point Park, Maryville, Maryville College Woods, Phelp's Dairy Farm, Rockford, Sevierville Road, and Townsend. Highlights included Yellow-crowned Night-Heron, Olive-sided Flycatcher, Alder Flycatcher, Loggerhead Shrike, Red-breasted and Brown-headed Nuthatches, Marsh Wren, Connecticut Warbler, Bobolink, and Baltimore Oriole. Observers: Jean J. Alexander (compiler: 3908 Riverview Dr., Maryville, TN 37804; jjadmj@infionline.net), Preston D. Berry, Sandra E. Borden, Fae A. Burkhart, Marcia Davis, Richard E. Davis, Kim J. Henry, Stephen P. Henry, Ron Hoff, Thomas D. Howe, James R. Human, David M. Johnson, Mary Laura Koella, Alvin H. and Sandra Kolak, Janet McKnight, Stuart P. McNeill, Daniel

and Laurie Mooney, Dollyann Myers, William A. Smith, Ann D. Tallent, Bruce E. Watt, and June D. Welch.

Greene County. Weather: mostly sunny with light and variable winds; 55-80° F. Notable species found on this count included Northern Pintail, Green-winged Teal, Least Bittern, Virginia Rail, Sora, Wilson's Snipe, Whip-poor-will, Philadelphia Vireo, Common Raven, Marsh Wren, 601 Swainson's Thrushes, Northern Waterthrush, and Mourning Warbler. Observers: Ben, Cindi, Mark, and Phine Britton, Carolyn Galloway, King and Margaret Gaut, Juanita and Lenard Heckert, Jim Holt (compiler; 311 Colonial Circle, Greeneville, TN 37745; jimbouh@adelphia.net), Don Miller, and JoAnn and Larry Routledge.

Putnam County – 0415-1855. Weather: clear all day with light winds 0-5 mph; 51-90° F. American Black Duck (earliest fall record for Putnam Co.), Northern Bobwhite, Whip-poor-will, Olive-sided Flycatcher, Least Flycatcher (first fall record for county), and Cape May Warbler (new early fall arrival date) were all recorded for the first time on this count. Totals for Great Blue Heron, Red-shouldered Hawk, Mourning Dove, Eastern Screech Owl, Great Horned Owl, Barred Owl, Pileated Woodpecker, Eastern Phoebe, Blue Jay, Carolina Chickadee, White-breasted Nuthatch, Chestnut-sided Warbler, Magnolia Warbler, and Lincoln's Sparrow represented all-time high counts for Putnam County. Brown-headed Nuthatches were found on the Cookeville Golf Course for the 5th consecutive year, but access is now very restricted – by permission only. Yellow-rumped Warbler also set a new early fall arrival date. Observers: Kris Ballinger, Kris Bolin, Betty Bright, Daniel L. Combs, Douglas A. Downs, Bettie Doyle, Ginger K. Ensor, Janie C. and Richard C. Finch, Judy C. Fuson, Michael J. Hawkins, Mary Hays, Nancy S. Layzer, Michael P. O'Rourke, Michele Ramsey, Richard W. Simmers, Jr., Barbara H. Stedman, Stephen J. Stedman (compiler: 2675 Lakeland Dr., Cookeville, TN 38506; sstedman@tntech.edu), and Carol D. Williams.

Shelby County – 0730-1600. Weather: clear with winds W 0-13 mph; 66-92° F. Count highlights included Little Blue Heron, Bald Eagle, Olive-sided Flycatcher, Philadelphia Vireo, Red-breasted Nuthatch, Golden-winged Warbler, and Rose-breasted Grosbeak. Observers: David Blaylock, Carolyn Bullock, Judy Dorsey, Margaret Jefferson, Pam Key, Gerry Papachristou, Dick Preston, Forest Priddy, Virginia Reynolds, Allen and Elizabeth Sparks, Ed Thomas, Martha Waldron, Jay Walko, and Barbara Wilson. Complied by Rob Peeples, 8205 Meadow Glen Dr., Memphis, TN 38138; wpeeples@midsouth.rr.com.

Wilson County – 0530-1900. Weather: started clear with no wind then warmed up with slight breezes; 60-87° F. Participants were unable to count at Boxwell Scout Camp, so waterfowl numbers were low. Species diversity was increased by including a wetland east of Laguardo and lagoons at Hickory Flats WMA (Canoe Branch Rd.). Highlights included Little Blue Heron, Black-crowned Night-Heron, Bald Eagle, Red-headed Woodpecker, and House Wren. Observers: V. C. Berry, Kay and Ralph Brinkhurst (compiler: 3570 Cainsville Rd., Lebanon, TN 37090; oligo1@aol.com), Dena Curtis, Jane Farris, Mildred Gaston, Harriet Jewell, Ann and Bernie Holladay, Grace Speck, Melissa Turrentine, Dean and Jerry Walker, and Paul Wells.

Table 1. Results of fall North American Migration Counts conducted in Tennessee on 16 September 2006.

Species	*Blount*	*Greeneville*	*Putnam*	*Shelby*	*Wilson*	*Totals*
Canada Goose	179	121	211	205	57	773
Wood Duck	36	6	88	6	-	136
American Black Duck	-	-	4	-	-	4
Mallard	89	96	7	77	22	291
Blue-winged Teal	-	17	2	14	-	33
Northern Shoveler	-	-	-	9	-	9
Northern Pintail	-	6	-	-	-	6
Green-winged Teal	-	1	-	-	-	1
Wild Turkey	29	38	22	2	47	138
Northern Bobwhite	1	1	1	-	5	8
Pied-billed Grebe	3	5	-	-	-	8
Double-crested Cormorant	2		10	21	20	53
Least Bittern	-	1	-	-	-	1
Great Blue Heron	19	5	29	8	18	79
Great Egret	1	6	1	15	9	32
Little Blue Heron	-	-	-	1	2	3
Green Heron	2	1	10	2	3	18
Black-crowned Night-Heron	2	-	1	-	2	5
Yellow-crowned Night-Heron	1	-	1	-	-	2
Night-Heron sp.	-	-	1	-	-	1
Black Vulture	7	20	20	-	23	70
Turkey Vulture	35	45	144	3	28	255
Osprey	6	1	5	1	2	15
Bald Eagle	1	-	-	2	1	4
Northern Harrier	-	-	1	-	-	1
Sharp-shinned Hawk	3	2	2	1	-	8
Cooper's Hawk	3	4	6	1	-	14
Accipiter sp.	-	-	1	-	-	1
Red-shouldered Hawk	6	-	19	5	1	31
Broad-winged Hawk	-	24	5	1	-	30
Red-tailed Hawk	3	8	17	4	9	41
American Kestrel	2	12	26	3	3	46
Virginia Rail	-	1	-	-	-	1
Sora	-	4	-	-	-	4
American Coot	1	-	-	-	-	1
Killdeer	7	63	73	137	30	310
Spotted Sandpiper	1	-	1	-	-	2
Solitary Sandpiper	-	-	-	2	-	2
Lesser Yellowlegs	-	-	-	36	1	37
Semipalmated Sandpiper	-	-	-	15	-	15

Species	*Blount*	*Greeneville*	*Putnam*	*Shelby*	*Wilson*	*Totals*
Least Sandpiper	-	-	-	680	7	687
Pectoral Sandpiper	-	-	-	65	1	66
Wilson's Snipe	-	1	-	-	-	1
American Woodcock	1	-	4	-	-	5
Rock Pigeon	65	57	110	105	407	744
Eurasian Collared-Dove	-	1	-	-	8	9
Mourning Dove	140	198	649	180	62	1229
Yellow-billed Cuckoo	2	4	1	10	-	17
Barn Owl	-	-	2	-	-	2
Eastern Screech Owl	2	2	16	-	-	20
Great Horned Owl	6	2	11	-	-	19
Barred Owl	-	-	13	1	-	14
Common Nighthawk	5	1	10	-	-	16
Whip-poor-will	-	1	1	-	-	2
Chimney Swift	140	41	195	61	14	451
Ruby-throated Hummingbird	49	21	78	27	18	193
Belted Kingfisher	9	9	17	2	4	41
Red-headed Woodpecker	-	8	6	20	1	35
Red-bellied Woodpecker	20	26	64	62	10	182
Downy Woodpecker	37	19	60	43	5	164
Hairy Woodpecker	3	4	14	2	-	23
Northern Flicker	18	15	29	3	1	66
Pileated Woodpecker	11	11	40	23	1	86
Olive-sided Flycatcher	1	-	1	1	-	3
Eastern Wood-Pewee	12	9	57	37	4	119
Acadian Flycatcher	-	-	6	36	-	42
Alder Flycatcher	1	-	-	-	-	1
Least Flycatcher	-	-	1	2	-	3
Empidonax sp.	-	-	8	-	-	8
Eastern Phoebe	22	8	113	2	12	157
Great Crested Flycatcher	-	-	2	-	-	2
Eastern Kingbird	9	4	8	2	-	23
Flycatcher sp.	-	-	-	-	1	1
Loggerhead Shrike	1	-	-	-	-	1
White-eyed Vireo	13	7	99	140	4	263
Yellow-throated Vireo	3	2	29	7	-	41
Blue-headed Vireo	1	2	11	1	-	15
Philadelphia Vireo	-	2	-	3	-	5
Red-eyed Vireo	4	1	22	18	-	45
Blue Jay	129	157	345	21	39	691

Species	*Blount*	*Greeneville*	*Putnam*	*Shelby*	*Wilson*	*Totals*
American Crow	84	107	320	31	33	575
Common Raven	-	2	-	-	-	2
Horned Lark	-	-	1	-	-	1
Tree Swallow	-	2640	1	37	17	2695
N. Rough-winged Swallow	3	96	-	63	88	250
Cliff Swallow	2	-	-	-	-	2
Barn Swallow	3	25	-	1	-	29
Carolina Chickadee	99	63	176	60	22	420
Tufted Titmouse	47	26	156	63	17	309
Red-breasted Nuthatch	1	-	-	1	-	2
White-breasted Nuthatch	25	13	102	61	6	207
Brown-headed Nuthatch	3	-	6	-	-	9
Carolina Wren	101	106	211	145	9	572
House Wren	3	1	1	1	1	7
Marsh Wren	2	1	-	-	-	3
Ruby-crowned Kinglet	-	-	1	-	-	1
Blue-gray Gnatcatcher	2	-	5	10	1	18
Eastern Bluebird	90	50	360	11	39	550
Veery	1	5	-	-	-	6
Gray-cheeked Thrush	-	75	2	1	-	78
Swainson's Thrush	29	601	13	17	1	661
Wood Thrush	2	3	7	1	-	13
American Robin	44	49	118	113	11	335
Gray Catbird	15	9	17	45	2	88
Northern Mockingbird	46	72	71	19	21	229
Brown Thrasher	20	8	35	-	7	70
European Starling	687	911	1502	147	335	3582
Cedar Waxwing	16	10	34	25	1	86
Blue-winged Warbler	-	-	2	6	-	8
Golden-winged Warbler	-	-	1	4	-	5
Tennessee Warbler	5	3	11	20	-	39
Nashville Warbler	-	-	-	8	-	8
Northern Parula	6	-	5	30	-	41
Yellow Warbler	-	-	1	-	-	1
Chestnut-sided Warbler	2	1	34	7	2	46
Magnolia Warbler	26	4	90	24	5	149
Cape May Warbler	-	1	1	-	-	2
Yellow-rumped Warbler	-	-	2	-	1	3
Black-throated Green Warbler	1	1	7	6	-	15
Blackburnian Warbler	1	-	1	-	-	2

Species	*Blount*	*Greeneville*	*Putnam*	*Shelby*	*Wilson*	*Totals*
Yellow-throated Warbler	1	-	2	-	-	3
Pine Warbler	3	-	26	2	-	31
Prairie Warbler	-	6	3	-	-	9
Palm Warbler	24	3	4	-	-	31
Bay-breasted Warbler	-	-	3	-	-	3
Cerulean Warbler	-	-	-	1	-	1
Black-and-white Warbler	3	4	21	6	-	34
American Redstart	7	3	13	13	1	37
Prothonotary Warbler	-	1	-	1	-	2
Ovenbird	1	-	5	2	-	8
Northern Waterthrush	-	1	-	-	-	1
Kentucky Warbler	-	-	-	1	-	1
Connecticut Warbler	1	-	-	-	-	1
Mourning Warbler	-	1	-	-	-	1
Common Yellowthroat	8	19	27	14	1	69
Hooded Warbler	4	-	17	10	-	31
Canada Warbler	-	-	2	-	-	2
Yellow-breasted Chat	-	-	1	-	-	1
Summer Tanager	1	2	40	18	1	62
Scarlet Tanager	7	1	12	-	-	20
Eastern Towhee	20	17	61	8	7	113
Chipping Sparrow	9	6	63	1	-	79
Field Sparrow	33	19	59	1	-	112
Song Sparrow	26	49	38	-	-	113
Lincoln's Sparrow	-	-	4	-	-	4
Swamp Sparrow	1	-	-	-	-	1
Sparrow sp.	-	-	-	-	1	1
Dark-eyed Junco	-	1	-	-	-	1
Northern Cardinal	108	140	319	67	53	687
Rose-breasted Grosbeak	-	1	3	9	-	13
Blue Grosbeak	8	16	2	-	-	26
Indigo Bunting	126	74	37	84	1	322
Bobolink	5	1	-	-	-	6
Red-winged Blackbird	51	557	1	-	1	610
Eastern Meadowlark	1	30	39	-	1	71
Common Grackle	32	27	472	88	2	621
Brown-headed Cowbird	1	1	10	-	1	13
Orchard Oriole	-	-	-	1	-	1
Baltimore Oriole	1	-	-	-	-	1
House Finch	59	38	15	-	14	126
American Goldfinch	153	97	105	16	33	404
House Sparrow	31	14	35	20	20	120

Species	*Blount*	*Greeneville*	*Putnam*	*Shelby*	*Wilson*	*Totals*
Total individuals	3234	7113	7463	3445	1638	22893
Total species	107	105	118	99	69	157
Effort:						
Observers	24	11	16	15	9	75
Parties	16	8	8	6	5	43
Party hours	52.67	34	65.25	24	11.5	187.42
Hours by car	16.92	20.5	46	8.5	8.5	100.42
Hours by foot	33.75	13.5	19.25	15.5	3	85
Hours by boat	2	-	-	-	-	2
Miles by car	208	247	423.5	38	80	996.5
Miles by foot	22.5	2	15.25	48.1	3	90.85
Miles by boat	2	-	-	-	-	2
Hours owling	3.08	1.5	5	-	0.25	9.83
Miles owling	2	0.1	58	-	0	60.1
Feeder observers	7	2	3	-	10	22
Feeder hours	12.5	17	7.25	-	7	43.75
Birds per party hour	61.4	209.2	114.4	143.5	142.4	122.1

The Migrant 78 (1): 24-30, 2007

2006 TENNESSEE TRADITIONAL FALL BIRD COUNTS

Compiled by Ron Hoff
282 Hackworth Ln.
Clinton, TN 37716

This summary reports on the fall bird counts that are held on a date other than the third Saturday in September, which is the annual date for the Fall North American Migration Count (NAMC). This year 174 species and 36,292 individuals were tallied (Table 1). This translates into 116.4 birds/party hour. Typical for fall counts, early winter arrivals and late-lingering migrational breeders added notably to the species totals. The weather was generally mild to warm for the counts in September but colder for counts in October, with temperatures ranging from 32-86° F. Several counts experienced some rain and wind. Count highlights included Eared Grebe, American and Least bitterns, Northern Goshawk, Merlin, Peregrine Falcon, Northern Saw-whet Owl, Whip-poor-will, Olive-sided, Least, Great Crested, and Scissor-tailed Flycatchers, Loggerhead Shrike, Warbling Vireo, Purple Martin, Golden-winged Warbler, and Nelson's Sharp-tailed Sparrow. Notable misses included Bank Swallow, Brown-headed Nuthatch, and Dickcissel.

COUNTY SUMMARIES

Elizabethton – 30 September; 0600-2030. Weather: partly cloudy with late afternoon showers and winds S at 5-20 mph; 37-71° F. The count area includes Carter County and parts of adjacent Johnson, Sullivan, Unicoi, and Washington Counties. The average number of species for the last 20 years is 123.8 and the all-time high count was 137 in 1993. Aside from Killdeer, no shorebirds were found. Nineteen species of warblers were seen, but overall numbers seemed low. A good variety of raptors occurred. Swallows were more numerous than usual at this date, with 4 species and a record high count of Tree Swallows. Notable misses were Northern Bobwhite, Yellow-billed Cuckoo, Barn Owl, and shrike. Best finds were Northern Goshawk at Roan Mountain and Nelson's Sharp-tailed Sparrow in Shady Valley. Also notable were Eared Grebe, American & Least Bittern, Merlin, Northern Saw-whet Owl, Philadelphia Vireo, Sedge & Marsh Wrens, and Wilson's Warbler. Observers: Fred Alsop, Rob Biller, Lynn Brandon, Tess Cumbie, Diane Draper, Josh Ferry, Kathy Gunther, Jacki Hinshaw, Don Holt, Mark Hopey, Reece Jamerson, Pete Julius, Rick Knight (compiler: 804 N. Hills Dr., Johnson City, TN 37604; rknight8@earthlink.net), Rad Mayfield, Larry McDaniel, Joe McGuiness, J. T. McNeil, Tom McNeil, Brookie and Jean Potter, Bryan and Peggy Stevens, Kim Stroud, David Thometz, John Tolejko, Gary Wallace, and Frank Ward.

Knoxville – 24 September; 0615-1935; 2315-2350. Weather: overcast with showers; a cold front passed through in the late afternoon; 6 inches of rain the previous day; 62-75° F. Highlights included 10 Cooper's Hawks, Peregrine Falcon, American Golden-Plover, Olive-sided and Least Flycatchers, and Orange-crowned and Wilson's warblers. Notable misses included Wild Turkey, Northern Bobwhite, Bald

Eagle, Broad-winged Hawk, Brown-headed Nuthatch, Marsh Wren, and Bobolink. Observers: Lyn Bales, Frank Bills, Howard Chitwood, Gail and Steve Clendenen, Cindy and Norm Day, K. Dean Edwards (compiler: 1615 Meadow Chase Ln., Knoxville, TN 37931; kde@angst.engr.utk.edu), Carole Gobert, Paul Hartigan, Tom Howe, Susan Hoyle, Kristine Johnson, Tony King, Rasmus Larsen, Ed Manous, Janet McKnight, Brenda and Denny McMahan, Dan and Laurie Mooney, Mike Nelson, Kelly Roy, Martha Rudolph, Boyd Sharp, and David Trently.

Lebanon – 14 October; 0600-1700. Weather: clear, breezy start, with wind dying down later; 32-65° F. Participants were unable to census birds at Boxwell Scout Camp, so waterfowl counts were low. Diversity was increased by including a wetland on the East side of Laguardo and lagoons at Hickory Flats WMA (Canoe Branch Rd.). Count highlights included Wild Turkey, Sharp-shinned Hawk, Eurasian Collared-Dove, and Philadelphia Vireo. Observers: Kay Brinkhurst, Ralph Brinkhurst (compiler: 3570 Cainsville Rd., Lebanon, TN 37090; oligobird@aol.com), Jan Donaldson, Ann and Bernie Holladay, Grace Speck, Earl Stoffel, Roy Turrentine, Dean Walker, and Jerry Walker.

Lincoln County – 16 September; 0453-1924. No weather data submitted. Highlights included Northern Harrier, American Golden-Plover, Whip-poor-will, Horned Lark, Golden-winged Warbler, and Wilson's Warbler. Observers: Andrew Salhany and Morris D. Williams (compiler: 120 Hurricane Creek Rd., Lawrenceburg, TN 38464).

Macon County – 30 September; 0515-1830. Weather; partly cloudy with wind 0-10 mph in the morning; partly sunny with winds 0-5 mph in the afternoon; 52-71° F. This was the first bird count of any type in Macon County. Fourteen species were recorded for the first time in this county, including Eurasian Collared-Doves. The number of Northern Rough-winged Swallows were higher than anticipated and indicated a later than expected mass migration for this species. Observers: Marilyn R. Burgess, Douglas A. Downs, John D. Froeschauer, Michael P. O'Rourke, Stephen J. Stedman (compiler: 2675 Lakeland Dr., Cookeville, TN 38506; sstedman@tntech.edu), and Winston A. Walden.

Nashville – 30 September; 0530-1715. Weather: clear to partly cloudy; 55-74° F. Count highlights included Bald Eagle, Broad-winged Hawk, Merlin, Peregrine Falcon, Laughing Gull, Eurasian Collared-Dove, Least Flycatcher, Scissor-tailed Flycatcher, Lincoln's Sparrow, White-throated Sparrow, White-crowned Sparrow, and Bobolink. Observers: Michael Bierly, Sandy Bivens, Kevin Bowden, Susan Bradfield, David and Jean Buchanan, Ed Byrne, Richard Connors, Jeff Cowell, Jerry Drewry, Heather Gallager, Jerry Harms, Susan Hollyday, Linda Kelly, Margie Koehler, Robert Lane, Jason Mann, Jon Mann (compiler: 847 Mountain Valley, Nashville, TN 37209), Elizabeth O'Conner, Amy Potter, Leslie Ann Rawlings, Bill Ringer, Sarah Scott, Jeanese Seals, Kathy Shaw, Sheila Shay, Danny Shelton, Joe Stone, Sabin Thompson, Terry Witt, and Mary Zimmerman.

White County – 23 September; 0415-1820. Weather: overcast with scattered showers all day and hard rains late; winds all day were 5-20 mph; 67-86° F. This

was the third consecutive fall bird count for White County. Some public sites that were included in the coverage were the Bridgestone/Firestone Centennial Wilderness and Rock Island State Park. Species of interest included Great Egret, an adult Bald Eagle, Northern Harrier, 12 Eurasian Collared-Doves (all time high count for White County), Philadelphia Vireo, and a singing Grasshopper Sparrow. Observers: Douglas A. Downs (compiler: 403 Gillen Dr., Sparta, TN 38583; douglas_downs@hotmail.com), Michael P. O'Rourke, Tom Saya, Barbara H. and Stephen J. Stedman, and Winston A. Walden.

Table 1. Results of 2006 fall bird counts in Tennessee

Species	*Elizabethton*	*Knoxville*	*Lebanon*	*Lincoln Co.*	*Macon Co.*	*Nashville*	*White Co.*
Date	*30-Sep*	*24-Sep*	*14-Oct*	*16-Sep*	*30-Sep*	*30-Sep*	*23-Sep*
Canada Goose	692	422	21	12	1	322	92
Wood Duck	37	36	4	1	2	17	50
Gadwall	-	-	-	-	-	7	-
American Black Duck	1	-	-	-	-	-	-
Mallard	165	71	2	2	-	112	21
Blue-winged Teal	17	15	-	2	5	18	1
Northern Shoveler	-	-	-	-	-	5	-
Green-winged Teal	1	-	-	-	-	-	-
Ruffed Grouse	3	-	-	-	-	-	-
Wild Turkey	13	-	8	-	30	56	-
Northern Bobwhite	-	-	-	10	-	6	-
Pied-billed Grebe	4	3	7	-	1	7	3
Eared Grebe	1	-	-	-	-	-	-
Dbl-crested Cormorant	7	14	16	2	-	93	-
American Bittern	1	-	-	-	-	-	-
Least Bittern	1	-	-	-	-	-	-
Great Blue Heron	49	27	11	6	8	61	18
Great Egret	1	2	10	-	-	13	1
Green Heron	2	4	-	1	2	2	4
Black-cr. Night-Heron	2	2	-	-	-	2	-
Black Vulture	16	6	82	7	15	287	56
Turkey Vulture	101	16	88	18	57	182	100
Osprey	2	6	-	-	-	4	1
Bald Eagle	-	-	-	-	-	4	1
Northern Harrier	6	-	-	1	-	-	1
Sharp-shinned Hawk	9	2	1	-	-	4	4
Cooper's Hawk	15	10	-	-	2	14	3
Northern Goshawk	1	-	-	-	-	-	-
Accipiter sp.	-	1	-	-	-	-	-
Red-shouldered Hawk	-	5	-	-	2	7	7
Broad-winged Hawk	12	-	-	-	2	100	-
Red-tailed Hawk	10	11	4	4	8	27	7
Buteo sp.	-	-	-	-	-	-	2
American Kestrel	14	5	13	3	57	28	35
Merlin	1	-	-	-	-	1	-

Species	*Elizabethton*	*Knoxville*	*Lebanon*	*Lincoln Co.*	*Macon Co.*	*Nashville*	*White Co.*
Date	*30-Sep*	*24-Sep*	*14-Oct*	*16-Sep*	*30-Sep*	*30-Sep*	*23-Sep*
Peregrine Falcon	-	1	-	-	-	1	-
Sora	2	-	-	-	-	-	-
American Coot	-	1	-	-	-	5	-
Amer. Golden-Plover	-	1	-	1	-	-	-
Killdeer	113	89	10	40	17	84	129
Spotted Sandpiper	-	-	-	-	-	-	1
Solitary Sandpiper	-	3		-	-	1	1
Greater Yellowlegs	-	-	-	-	-	3	-
Lesser Yellowlegs	-	-	-	-	-	-	5
Least Sandpiper	-	3	8	-	-	2	5
Pectoral Sandpiper	-	6	-	1	-	-	3
Calidris sp.	-	-	-	12	-	-	-
Wilson's Snipe	-	-	1	-	-	5	1
Laughing Gull	-	-	-	-	-	1	-
Ring-billed Gull	-	-	3	-	-	1	-
Rock Pigeon	143	696	125	6	17	40	120
Eurasian Collared-Dove	-	1	3	2	2	3	12
Mourning Dove	354	409	8	19	156	139	376
Yellow-billed Cuckoo	-	1	-	-	9	12	-
Eastern Screech Owl	21	3	-	2	5	6	20
Great Horned Owl	5	2	-	3	2	2	4
Barred Owl	5	1	-	3	2	6	3
Northern Saw-whet Owl	1	-	-	-	-	-	-
Common Nighthawk	1	2	-	10	1	1	5
Whip-poor-will	-	-	-	1	-	-	-
Chimney Swift	1109	268	-	5	9	529	46
Ruby-thr. Hummingbird	6	34	1	8	4	11	8
Belted Kingfisher	25	11	6	3	8	19	9
Red-headed Woodpecker	2	2	-	2	4	-	9
Red-bellied Woodpecker	27	64	12	6	42	93	61
Yellow-bellied Sapsucker	2	1	4	-	3	10	-
Downy Woodpecker	32	30	11	6	24	85	52
Hairy Woodpecker	10	6	-	4	3	12	8
Northern Flicker	36	30	6	1	39	84	26
Pileated Woodpecker	32	3	1	1	16	18	14
Olive-sided Flycatcher	-	1	-	-	-	-	-
Eastern Wood-Pewee	9	15	-	21	16	52	40
Acadian Flycatcher	-	-	-	-	-	-	1
Least Flycatcher	-	1	-	-	-	5	-
Empidonax sp.	2	4	-	1	4	-	18
Eastern Phoebe	73	29	7	7	62	55	90
Great Crested Flycatcher	-	1	-	-	-	1	-
Eastern Kingbird	-	1	-	1	1	-	2
Scissor-tailed Flycatcher	-	-	-	-	-	2	-
Loggerhead Shrike	-	-	-	-	-	-	3

Species	*Elizabethton*	*Knoxville*	*Lebanon*	*Lincoln Co.*	*Macon Co.*	*Nashville*	*White Co.*
Date	*30-Sep*	*24-Sep*	*14-Oct*	*16-Sep*	*30-Sep*	*30-Sep*	*23-Sep*
White-eyed Vireo	2	2	-	5	7	11	30
Yellow-throated Vireo	1	4	-	4	2	11	15
Blue-headed Vireo	20	-	-	-	1	1	4
Warbling Vireo	1	-	-	-	-	-	-
Philadelphia Vireo	1	1	2	-	2	6	1
Red-eyed Vireo	9	3	-	-	2	13	9
Blue Jay	333	301	66	12	151	692	241
American Crow	645	392	48	18	149	342	289
Common Raven	18	-	-	-	-	-	-
Horned Lark	-	-	-	10	-	-	-
Purple Martin	-	-	-	-	-	-	1
Tree Swallow	528	64	169	-	5	32	20
N. Rough-wing. Swallow	4	-	7	4	256	35	1
Cliff Swallow	2	2	-	-	-	-	-
Barn Swallow	19	31	-	4	-	4	22
Carolina Chickadee	157	113	14	13	72	404	155
Tufted Titmouse	98	55	10	11	58	116	152
Red-breasted Nuthatch	19	-	-	-	-	-	-
White-breasted Nuthatch	20	15	-	2	19	39	67
Brown Creeper	1	-	-	-	-	-	-
Carolina Wren	113	112	10	10	74	153	143
House Wren	6	8	-	-	3	7	7
Winter Wren	3	-	-	-	-	-	-
Sedge Wren	1	-	-	-	-	2	-
Marsh Wren	3	-	-	-	-	1	-
Golden-crowned Kinglet	5	-	1	-	-	1	-
Ruby-crowned Kinglet	16	-	2	-	4	24	2
Blue-gray Gnatcatcher	-	5	-	1	-	1	-
Eastern Bluebird	144	157	33	21	127	175	356
Veery	1	-	-	-	-	-	-
Gray-cheeked Thrush	6	16	-	-	-	5	-
Swainson's Thrush	69	87	-	-	6	13	6
Hermit Thrush	2	-	-	-	-	-	-
Catharus sp.	-	-	-	1	-	-	-
Wood Thrush	15	5	-	6	4	6	7
American Robin	211	118	243	66	68	184	72
Gray Catbird	41	30	-	2	1	74	16
Northern Mockingbird	79	101	24	14	59	89	62
Brown Thrasher	12	13	2	10	4	27	26
European Starling	2392	1963	386	50	651	590	1851
Cedar Waxwing	262	106	8	2	1	64	3
Blue-winged Warbler	-	-	-	2	-	-	-
Golden-winged Warbler	-	-	-	1	-	-	-
Tennessee Warbler	35	7	3	10	51	40	11
Orange-crowned Warbler	-	1	-	-	-	1	-

Species	*Elizabethton*	*Knoxville*	*Lebanon*	*Lincoln Co.*	*Macon Co.*	*Nashville*	*White Co.*
Date	*30-Sep*	*24-Sep*	*14-Oct*	*16-Sep*	*30-Sep*	*30-Sep*	*23-Sep*
Nashville Warbler	-	4	-	-	1	24	-
Northern Parula	1	-	-	-	-	8	1
Yellow Warbler	-	-	-	-	1	1	1
Chestnut-sided Warbler	4	6	-	2	4	16	4
Magnolia Warbler	13	45	1	13	33	111	77
Cape May Warbler	8	-	-	-	-	1	1
Blk-throat. Blue Warbler	12	-	-	-	-	-	-
Yellow-rumped Warbler	5	2	14	-	4	14	-
Blk-throat. Green Warbler	3	6	-	2	10	35	12
Blackburnian Warbler	-	5	-	-	-	4	1
Yellow-throated Warbler	1	2	-	-	1	5	3
Pine Warbler	1	10	-	-	-	8	12
Prairie Warbler	-	1	-	-	-	-	1
Palm Warbler	127	22	-	-	9	14	-
Bay-breasted Warbler	5	3	-	-	-	6	3
Cerulean Warbler	-	-	-	-	-	1	-
Black-and-white Warbler	4	2	-	1	6	20	18
American Redstart	12	11	-	3	8	28	14
Worm-eating Warbler	1	-	-	-	-	-	-
Ovenbird	2	1	-	-	2	3	3
Northern Waterthrush	-	2	-	-	-	-	1
Common Yellowthroat	16	36	2	21	12	42	30
Hooded Warbler	6	3	-	-	-	-	2
Wilson's Warbler	1	1	-	1	-	2	-
Canada Warbler	-	-	-	-	-	-	1
Yellow-breasted Chat	-	1	-	1	-	2	-
Summer Tanager	1	3	-	8	19	16	42
Scarlet Tanager	12	4	-	1	9	13	25
Eastern Towhee	38	38	7	3	8	62	31
Chipping Sparrow	24	1	1	6	51	15	74
Field Sparrow	18	20	2	10	26	77	52
Savannah Sparrow	3	-	6	2	-	2	-
Grasshopper Sparrow	-	1	-	1	-	-	1
Nelson's Sharp-tail. Sparrow	1	-	-	-	-	-	-
Song Sparrow	104	68	4	1	3	7	52
Lincoln's Sparrow	-	-	-	-	-	3	-
Swamp Sparrow	1	-	-	-	2	13	-
White-throated Sparrow	-	-	-	-	2	1	-
White-crowned Sparrow	-	-	-	-	-	2	-
Dark-eyed Junco	53	-	-	-	-	-	-
Northern Cardinal	140	209	23	13	88	254	246
Rose-breasted Grosbeak	62	8	-	3	60	104	23
Blue Grosbeak	-	1	-	2	-	4	6
Indigo Bunting	40	109	22	28	105	81	60
Bobolink	-	-	-	-	-	1	-

Species / *Date*	*Elizabethton* 30-Sep	*Knoxville* 24-Sep	*Lebanon* 14-Oct	*Lincoln Co.* 16-Sep	*Macon Co.* 30-Sep	*Nashville* 30-Sep	*White Co.* 23-Sep
Red-winged Blackbird	30	265	90	2	50	65	66
Eastern Meadowlark	54	6	10	12	40	55	83
Common Grackle	58	49	206	2	5	166	2
Brown-headed Cowbird	23	10	-	13	-	21	11
Orchard Oriole	-	-	-	-	-	1	-
House Finch	59	123	6	1	1	65	15
Pine Siskin	24	-	-	-	-	-	-
American Goldfinch	141	243	9	18	102	141	50
House Sparrow	47	34	41	15	11	22	34
Total individuals	9643	7445	1945	699	3088	7366	6106
Total species	127	113	61	88	91	132	109
Effort:							
Observers	27	26	8	2	6	30	6
Parties	8	15	5	1	3	9	4
Party hours	83	56.95	16	14.52	27.5	71	42.75
Hours by car	-	16.83	8	-	26.5	42	38.25
Hours by foot	-	40.12	8	-	1	29	4.5
Hours by boat	-	-	-	-	-	-	-
Miles by car	-	312.4	100	91	269	398	399.75
Miles by foot	-	27.15	4	-	0.5	26	4
Miles by boat	-	-	-	-	-	-	-
Hours owling	7	0.83	0.25	-	1	1.5	3.75
Miles owling	-	3	0	-	6	7.25	56
Feeder observers	-	-	6	-	-	1	-
Feeder hours	-	-	5	-	-	3	-
Birds/party hour	116.2	130.7	124.7	48.1	112.3	103.7	142.8

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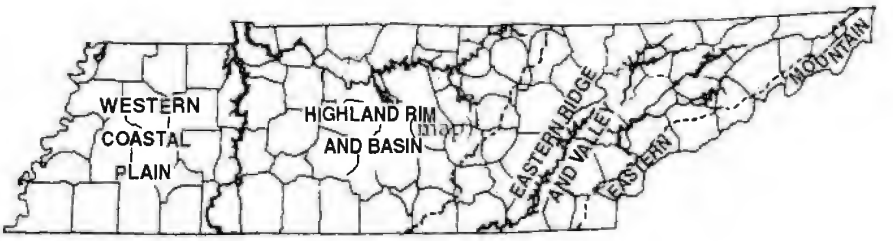
THE FALL SEASON

RICHARD L. KNIGHT, Editor



1 AUGUST - 30 NOVEMBER 2006

Temperatures this season were near normal to slightly above normal, being most notably warmer in November. Rainfall varied from below average in West Tennessee to above average in the eastern end of the state. Unlike several recent years, little or no effects of tropical systems were felt in the state this season.

A paucity of strong frontal activity in the late season, in combination with the overall mildness at that time, resulted in generally low numbers of waterfowl. However, the three scoter species and Long-tailed Duck made a good showing in both West and East Tennessee. Long-legged waders were in good numbers. A Wood Stork in the Ridge and Valley was particularly noteworthy given their low numbers near the Mississippi River. Shorebirds did pretty well, at least at some of their usual hot spots. The fall hawkwatch at Soddy Mountain was joined by expanded hawk migration monitoring at Big Bald Mountain (see Table 1). The passerine migration received little comment, although the three mountain banding stations had a good season. Boreal irruptives were very scarce. A mixed breeding pair of a Western Kingbird and a Scissor-tailed Flycatcher in Shelby County was quite unusual.

Notable rarities this season included Western Grebe, White-faced Ibis, and jaeger sp. in the Western Coastal Plain. A Mottled Duck and an Inca Dove in the Ridge and Valley were extraordinary. A Swallow-tailed Kite in the Mountain region was noteworthy. A Mississippi Kite in Maury County and a Bewick's Wren in Jackson County were among highlights in the Highland Rim and Basin region.

Standard Abbreviations

ad - adult	L - Lake
ba. - banded	lrs - latest reported sighting
Co - County	max - maximum count
Cr - Creek	m.ob. - many observers
ers - earliest reported sighting	Mtn - Mountain
et al. - and others	R - River
fide - reported by	sp. - species
im - immature	SP - State Park
Is - Island	yg - young

Table 1. Fall 2006 Hawkwatch Totals: Soddy Mtn. (Hamilton Co) and Big Bald Mtn. (Unicoi Co).

Species	*Soddy Mtn.* *	*Big Bald Mtn.* *
Black Vulture	2	3
Turkey Vulture	49	345
Osprey	10	5
Bald Eagle	19	6
Northern Harrier	11	43
Sharp-shinned Hawk	102	302
Cooper's Hawk	18	97
Broad-winged Hawk	3013	673
Red-shouldered Hawk	3	23
Red-tailed Hawk	45	124
American Kestrel	11	38
Merlin	1	30
Peregrine Falcon	5	11
unidentified	6	83
Total Vultures	51	348
Total Hawks	3244	1435
Grand Total	3295	1783
Start Date	4 Sep	7 Sep
End Date	2 Dec	10 Nov
# Days	31	40

* Soddy Mtn by William G. Haley et al.; Big Bald Mtn by Mark Hopey et al.

WESTERN COASTAL PLAIN REGION — This was a dry autumn, with temperatures around normal. Fall migration seemed less than spectacular, with the number of unusual sightings seemingly fewer than in most recent years. Henry County, however, produced observations of several noteworthy species, such as Cackling Goose, all three scoters, Pacific Loon, four species of grebes, an unidentified jaeger, and six species of gulls. A White-faced Ibis in November in Lake County was of interest. A mixed pair of a male Western Kingbird and a female Scissor-tailed Flycatcher, which produced five hybrid young, was noted in north Memphis, while pure pairs of both species were also breeding in Shelby County.

Goose - Grebe: **Greater White-fronted Goose**: 22 Oct (1) Britton Ford (MCT), ers. **Ross's Goose**: 12 Nov (1) Lake Co (MCT); 19 Nov (1) EARTH Complex (JRW). **Cackling Goose**: 22 Nov (1) north Shelby Co (DDP, MTOS); 24 Nov (6) Britton Ford (MAG, MCT). **Redhead**: 19 Nov (100) Henry Co (MCT), max. **Greater Scaup**: 6 Nov (10) Pace Point (MCT); 19 Nov (26) EARTH Complex (JRW). **Surf Scoter**: 4/11 Nov (1/3) Henry Co (MCT et al.). **White-winged Scoter**: 29 Oct - 24 Nov (1-

2) Pace Point (MCT et al.). **Black Scoter**: 14 Oct (4) Mud Is. (JRW); 11/19 Nov (1) EARTH Complex (JRW); 11/19 Nov (1) Britton Ford (MCT et al.). **Long-tailed Duck**: 10 Nov (1) Henry Co (MCT). **Common Goldeneye**: 14 Nov (1) Henry Co (MCT), ers. **Red-breasted Merganser**: 14 Nov (30) Henry Co (MCT), max. **Pacific Loon**: 6 Nov (1) Henry Co (MCT). **Common Loon**: 6 Nov (800) Henry Co (MCT), max. **Horned Grebe**: 29 Oct (1) Mud Is. (JRW), ers; 24 Nov (1000) Henry Co (MAG, MCT), max. **Red-necked Grebe**: 6/11/24 Nov (1/1/2) Pace Point (MCT, MAG et al.). **Western Grebe**: 6-29 Nov (1, with 2 on last date) Pace Point (MCT, MAG et al.).

Pelican - Falcon: **American White Pelican**: 29 Oct (478) Mud Is. (JRW), max. **Double-crested Cormorant**: 4 Nov (780) Robco L., Shelby Co (JRW), max. **Anhinga**: 13 Aug (4) Cocklebur L., Shelby Co (MCT, JRW); 19 Aug (1) Shelby Forest (VBR). **American Bittern**: 29 Oct (1) Lake Co (Nancy Moore). **Great Egret**: 13 Aug (750) Cocklebur L., Shelby Co (MCT, JRW), max. **Snowy Egret**: 21 Aug (71) north Memphis (John J. Walko), max. **Black-crowned Night-Heron**: 22 Nov (2) Shelby Co (MTOS). **WHITE-FACED IBIS**: 10-30 Nov (1) Lake Co (Nancy Moore, MCT, MAG et al.). **Wood Stork**: 18 Aug (13) north Memphis (JRW); 4 Sep (1) Shelby Forest (VBR). **Bald Eagle**: 28 Sep (1) Gibson Co (MAG). **Northern Harrier**: 2 Sep (1) Mud Is. (JRW), ers. **Broad-winged Hawk**: 2 Sep (18) EARTH Complex (JRW), max. **Golden Eagle**: 19 Nov (1 ad) Pace Point (MCT, Q.B. Gray). **Peregrine Falcon**: 19 Nov (1) Mud Is. (JRW), lrs.

Plover - Jaeger: **Piping Plover**: 6 Aug (2) EARTH Complex (JRW). **American Avocet**: 14 Nov (1) Pace Point (MCT). **Willet**: 3 Sep (3) Mud Is. (JRW). **Upland Sandpiper**: 20 Aug (1) EARTH Complex (MCT, JRW). **Sanderling**: 2 Sep (1) Mud Is. (JRW); 4 Nov (1) EARTH Complex (JRW). **Baird's Sandpiper**: 7 Sep/14 Oct (1) EARTH Complex (John J. Walko, JRW); 24-25 Sep (1) Gibson Co (MCT). **Dunlin**: 4 Nov (78) Pace Point (MCT et al.), max. **Buff-breasted Sandpiper**: 2/7 Sep (1) EARTH Complex (JRW). **Long-billed Dowitcher**: 5 Aug (2) EARTH Complex (JRW); 12 Oct (14) Henry Co (MCT). **Wilson's Snipe**: 19 Aug (1) Mud Is. (MCT, JRW), ers. **Laughing Gull**: 28 Aug/12 Oct - 11 Nov (3/1-2) Henry Co (MCT et al.); 29 Oct (3) Mud Is. (JRW). **Franklin's Gull**: 28 Aug/12-29 Oct (1/1-6) Henry Co (MCT et al.); 11 Sep (1) Pickwick SP, Hardin Co (Damien Simbeck); 29 Oct (131) Mud Is. (JRW). **Herring Gull**: 28 Aug (2) Henry Co (MCT), ers. **Lesser Black-backed Gull**: 22 Oct - 10 Nov (1-2) Henry Co (MCT et al.). **Caspian Tern**: 28 Aug (76) Henry Co (MCT), max. **Black Tern**: 28 Aug (148) Henry Co (MCT), max. **Common Tern**: 12-13 Aug (1-2) Shelby Co (JRW); 28 Aug (3) Henry Co (MCT). **Forster's Tern**: 12 Oct (152) Henry Co (MCT), max. **Jaeger sp.**: 4 Nov (1) Pace Point (MCT et al.).

Cuckoo - Thrush: **Yellow-billed Cuckoo**: 24 Oct (1, found dead) Madison Co (Carol Reese). **Chimney Swift**: 11 Aug (1824) Shelby Farms (CHB, VBR), max. ***Archilochus* sp.**: 3-8 Nov (1) Fayette Co (Judy Dorsey), late. **Olive-sided Flycatcher**: 16 Sep (1) Overton Park, Memphis (Gerry Papachristou). **Yellow-bellied Flycatcher**: 25 Sep (1) Gibson Co (MCT). **Western Kingbird**: 5 Aug (pair with 3 yg,

plus a male kingbird feeding 5 hybrid yg with female Scissor-tailed Flycatcher) north Memphis (JRW); 5/13 Aug (2/1) EARTH Complex (CHB, VBR, Martha Waldron); 13 Aug (1) Mud Is. (JRW, MCT). **Scissor-tailed Flycatcher**: 5 Aug (pair with 3 yg) President's Is., Memphis (JRW); 1 Oct (1) Gibson Co (MAG); 23 Oct (1) Madison Co (Carol Reese); also see comments under Western Kingbird. **Philadelphia Vireo**: 19 Aug (1) Shelby Forest (VBR), ers; 15 Sep (11) Shelby Forest (DDP), max. **Bank Swallow**: 13 Aug (15) EARTH Complex (VBR). **Red-breasted Nuthatch**: 16 Sep (1) Shelby Forest (MTOS); 10 Nov (1) Henry Co (MCT). **Sedge Wren**: 8 Oct (1) Henry Co (MCT); 29 Nov (1) Gibson Co (MAG); 29 Nov (1) Lake Co (Steve & Gail Clendenen). **Marsh Wren**: 25 Sep/29 Nov (1/2) Gibson Co (MCT/MAG). **Golden-crowned Kinglet**: 6 Oct (1) Memphis (Margaret Jefferson), ers. **Veery**: 4 Sep (1) Shelby Forest (VBR), ers; 4 Nov (1) Britton Ford (MCT et al.), quite late. **Swainson's Thrush**: 19 Aug (1) Shelby Forest (VBR), new early date for West Tenn.

Warbler - Siskin: **Golden-winged Warbler**: 15 Sep (8) Shelby Forest (DDP), max. **Tennessee Warbler**: 19 Aug (1) Shelby Forest (VBR), ers. **Yellow Warbler**: 5 Aug (1) EARTH Complex (CHB, VBR, Martha Waldron). **Worm-eating Warbler**: 15 Sep (7) Shelby Forest (DDP), max. **Connecticut Warbler**: 19-20 Sep (1) Lake Co (Scott Somershoe). **American Tree Sparrow**: 21 Nov (1) Shelby Co (DDP) & (2) Lake Co (MAG), ers. **Lark Sparrow**: 3 Sep (1) EARTH Complex (JRW). **LeConte's Sparrow**: 6 Nov (6) Henry Co (MCT); 8 Nov (1) Decatur Co (WMP); 29 Nov (2) Gibson Co (MAG). **Lincoln's Sparrow**: 25 Sep/30 Oct (1) Shelby Farms (VBR); 11 Nov (1) Henry Co (Ed Conrad). **White-throated Sparrow**: 29 Sep (1) Carroll Co (Donna Ward), ers. **Lapland Longspur**: 18 Nov (8) Gibson Co (MAG). **Rose-breasted Grosbeak**: 4 Oct (50) Shelby Forest (MTOS), max. **Orchard Oriole**: 16 Sep (1) Shelby Forest (MTOS), lrs. **Purple Finch**: 21 Nov (1) Tipton Co (DDP). **Pine Siskin**: 22 Oct (1) Henry Co (MCT).

Locations: Britton Ford - in Henry Co; EARTH Complex - in Shelby Co; Mud Is. - in Shelby Co; Pace Point - in Henry Co; Shelby Farms/Forest - in Shelby Co.

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HIGHLAND RIM AND BASIN REGION — The four month fall season began with a warmer than average August in the Nashville area. Although highs did not reach the century mark, the mean monthly temperature was over four degrees above normal. November was also somewhat warmer than usual, while the two middle months had typical temperatures. August precipitation was almost 60% above average in the Nashville area, but the succeeding three months had normal amounts.

Goose - Egret: **Greater White-fronted Goose**: 12 Oct (80+) Fort Campbell, Montgomery Co (Daniel Moss). **Gadwall**: 11 Oct (4) Radnor L. (PDC, FCF), ers. **American Black Duck**: 16 Sep (4) Putnam Co (BHS), ers. **Green-winged Teal**: 22

Sep (3) Putnam Co (SJS), ers. **Bufflehead**: 2 Nov (4) Solutia Ponds (formerly Monsanto), Maury Co (WMP), ers. **Ruddy Duck**: 13 Oct (1) Putnam Co (SJS), ers. **Horned Grebe**: 13 Oct (6) Center Hill L., DeKalb Co (SJS), ers. **American Bittern**: 15 Oct (1) Jackson Co (Michael Hawkins), first Co record; 18 Nov (1) Fentress Co (BHS), first Co record. **Great Egret**: 9 Sep (46) Little Elder Is. (JLI, RLu et al.), max. **Little Blue Heron**: 9 Sep (41) Little Elder Is. (JLI, RLu et al.). **Cattle Egret**: 9 Sep (801) Little Elder Is. (JLI, RLu et al.); 22 Oct (1) Jackson Co (SJS, Winston Walden), first Co record.

Kite - Hummingbird: **Mississippi Kite**: 24 Aug (1) Maury Co (WMP). **Bald Eagle**: 25 Oct (2) Radnor L (Mike Ayers). **Merlin**: 30 Sep (1) Shelby Park (PDC, Mike Smith); 9 Oct (1) Lewis Co (WMP). **Peregrine Falcon**: 30 Sep (1) Davidson Co (MAZ). **Virginia Rail**: 15 Oct (1, road kill) Cheatham Co (Sabin Thompson). **Sandhill Crane**: 24 Nov (5) Marshall Co (Daniel Moss). **Sanderling**: 6 Sep (1) Maury Co (WMP). **Western Sandpiper**: 8 Aug (2) Maury Co (WMP). **Pectoral Sandpiper**: 15 Aug (41) Maury Co (WMP), max. **Dunlin**: 23 Oct (1) Maury Co (WMP). **Long-billed Dowitcher**: 2 Nov (1) Arrow L., Maury Co (WMP), by call. **Buff-breasted Sandpiper**: 10 Sep (1) White Co (SJS). **Laughing Gull**: 30 Sep (1) Old Hickory L., Davidson Co (Jason Mann). **Franklin's Gull**: 28-29 Oct (2-1) Fate Sanders Marina, Percy-Priest L., Rutherford Co (Terry Witt et al.). **Black Tern**: 9 Sep (16) Little Elder Is. (JLI, RLu et al). **Eurasian Collared-Dove**: 1/18 Aug (1) Readyville/Centertown, both in Cannon Co (SNM). **Yellow-billed Cuckoo**: 21 Oct (1) DeKalb Co (TC, VC), lrs. **Short-eared Owl**: 15 Oct (1, found injured, later died) Smith Co (Audrey & Charles Elrod fide Lee Barclay), very early. **Ruby-throated Hummingbird**: 26 Oct (1) DeKalb Co (TC, VC), lrs. **Rufous Hummingbird**: 19-23 Aug (1 im. female) East Nashville (MAZ), banded on 21 Aug (Chris Sloan, Portia Macmillan).

Flycatcher - Thrush: **Olive-sided Flycatcher**: 16 Aug (1) Shelby Park (PDC); 9-17 Sep (1-2) Lewis Co (WMP); 24 Sep (1) Shelby Park (Jon Mann, Rob Lane et al.). **Eastern Wood-Pewee**: 20 Oct (1) Lewis Co (WMP), lrs. **Yellow-bellied Flycatcher**: 5 Sep (1) Shelby Park (PDC), ers; 4 Oct (1) Radnor L (PDC, FCF), lrs. **Alder Flycatcher**: 20 Sep (1) Radnor L (PDC, FCF, Susan Hollyday). **Least Flycatcher**: 23 Aug (1) Shelby Park (PDC, JKS). **Eastern Kingbird**: 3 Oct (1) Putnam Co (Janie Finch), lrs. **Scissor-tailed Flycatcher**: 13 Sep (2) Shelbyville, Bedford Co (Mike Smith). **Philadelphia Vireo**: 8 Sep (1) Putnam Co (BHS), new early date for Co.; 4 Oct (16) Radnor L (PDC, FCF), max. **Red-breasted Nuthatch**: 29 Sep (1) DeKalb Co (TC, VC), ers, few reports. **Bewick's Wren**: 24 Sep (1) southern Jackson Co (Daniel Combs, Kenneth Morgan), first Co record. **Sedge Wren**: 21 Oct (5) Heritage Marsh (SJS). **Marsh Wren**: 25 Sep (1) Shelby Park (PDC); 15 Oct (2) Long Hunter SP, Davidson Co (Richard Connors, Sarah Scott); 24 Oct (1) Warren Co (SNM). **Veery**: 5 Sep (1) Putnam Co (BHS), ers. **Gray-cheeked Thrush**: 2 Sep (1) White Co (Douglas Downs, Karen Carbiener), ers; 12 Oct (1) Bedford Co (Melissa Turrentine), lrs. **Swainson's Thrush**: 3 Sep (1) DeKalb Co (Winston Walden), ers. **Hermit Thrush**: 11 Oct (2) Radnor L (FCF, PDC), ers.

Warblers: **Golden-winged Warbler**: 8 Sep/2 Oct (1) Radnor L (FCF), ers/lrs. **Tennessee Warbler**: 23 Aug (1) Shelby Park (PDC, JKS), ers; 21 Sep (25) Lewis Co (WMP), max. **Orange-crowned Warbler**: 13-30 Oct (1-2) Lewis Co (WMP). **Nashville Warbler**: 6 Sep/15 Oct (1) Radnor (FCF), ers/lrs. **Chestnut-sided Warbler**: 23 Aug (4) Shelby Park (PDC, JKS), ers. **Magnolia Warbler**: 22 Aug (3) Shelby Park (PDC), ers. **Cape May Warbler**: 16 Sep (1) Putnam Co (BHS), only report. **Black-throated Green Warbler**: 31 Oct (1) Radnor L (Susan Hollyday), lrs. **Blackburnian Warbler**: 2 Sep (1) Lewis Co (WMP), ers; 21 Oct (1) Heritage Marsh (SJS), lrs. **Yellow-throated Warbler**: 17 Oct (1) White Co (SJS), lrs. **Bay-breasted Warbler**: 2 Sep (1) Lewis Co (WMP), ers. **Prothonotary Warbler**: 2 Sep (1) White Co (Douglas Downs), lrs. **Northern Waterthrush**: 10 Sep (1) White Co (SJS), ers; 10 Oct (1) Putnam Co (SJS), lrs. **Mourning Warbler**: 6 Sep (1) Radnor L (JKS), ers; 24 Sep (1) Shelby Park (Jon Mann, Rob Lane et al.), lrs. **Wilson's Warbler**: 26 Aug (1) Shelby Park (PDC, JKS, MAZ), ers; 4 Oct (1) Lewis Co (WMP), lrs. **Canada Warbler**: 22 Aug (1) Shelby Park (PDC), ers. **Yellow-breasted Chat**: 4 Oct (1) Lewis Co (WMP), lrs.

Sparrow - Siskin: **Grasshopper Sparrow**: 21 Oct (1) Heritage Marsh (SJS); 24-25 Oct (1) Warren Co (SNM), lrs. **Henslow's Sparrow**: 25 Oct (1) Warren Co (SNM). **Fox Sparrow**: 23 Oct (1) Lewis Co (WMP), ers. **Lincoln's Sparrow**: 15 Sep (1) Putnam Co (BHS), ers; 20 Sep - 23 Oct (1-2) Lewis Co (WMP). **White-throated Sparrow**: 29 Sep (1) DeKalb Co (TC, VC), ers. **Dark-eyed Junco**: 25 Sep (1) Lewis Co (WMP), ers. **Rose-breasted Grosbeak**: 14 Sep (1) Shelby Park (PDC), ers. **Blue Grosbeak**: 21 Oct (1) Heritage Marsh (SJS), lrs. **Purple Finch**: 24 Oct (1) Nashville (Dee Thompson), ers. **Pine Siskin**: 25 Nov (1) Putnam Co (SJS), only report.

Locations: Heritage Marsh - in White Co; Little Elder Is. - at Woods Reservoir, Franklin Co; Radnor L - in Davidson Co; Shelby Park - in Davidson Co.

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CUMBERLAND PLATEAU/RIDGE & VALLEY REGION — For much of the season temperatures were near normal, except that November was rather mild. Rainfall was slightly above average for the season as a whole. Heavy rains from a stalled front from 31 August to 5 September (possibly aided by moisture from Tropical Storm *Ernesto* going up the East Coast) raised the water level of Douglas Lake over two feet, inundating recently exposed mudflats at Rankin Bottoms during the peak of shorebird migration.

A "mystery grebe" present for about a week in mid September at Eagle Bend Fish Hatchery led to some debate. Most who saw the bird or photos of it thought that it was a Horned Grebe, but others felt that it was an Eared Grebe. Long-legged waders and shorebirds made another good showing at Rankin Bottoms this season. A lingering Wood Stork was notable there. Twenty-five species of

shorebirds were found at Rankin this season, with a one day max of 700 individuals of 17 species (not counting numerous Killdeer) on 1 September. Kingston Steam Plant also produced some good shorebirds, but no big numbers. The shorebird habitat at Brainerd Levee was flooded for most of the period.

Two mega-rarities were found this season, a Mottled Duck in Jefferson County and an Inca Dove in adjacent Hamblen County. With only a very few records each in West Tennessee, both were rather unexpected in the eastern end of the state. Also of interest were two albino Red-tailed Hawks in the northeast corner of the region. One had been present for more than a year. Boreal irruptives were very scarce, with only a single report for each of the three most regular species (a nuthatch & two finches). A significant nocturnal flight of thrushes was witnessed in Greene County.

Waterfowl: **Ross's Goose**: 18/19 Nov (1/2) separate Greene Co sites (DHM). **MOTTLED DUCK**: 5-9 Sep (1) Upper Douglas L., Jefferson Co side (KDE, m.ob.), first regional record & about fifth in state. **Blue-winged Teal**: 19 Sep (172/250) Austin Springs/Steele Cr. Park, Bristol (RLK/LCM), max, also see this species on this date in Mountain region. **Northern Shoveler**: 1 Sep (5) Rankin Bottoms (RLK), ers. **Green-winged Teal**: 5 Nov (110) Upper Douglas L. (DHM, MBS, LJG), max. **Canvasback**: 2 Nov (2) Boone L. (RLK); 9-11 Nov (1) Greene Co (DHM); scarce in NE Tenn. **Lesser Scaup**: 2 Nov (360) Boone L. (RLK), max. **Surf Scoter**: 31 Oct - 7 Nov (1) Chickamauga L., Hamilton Co (Richard Schier, m.ob.). **Black Scoter**: 2 Nov (1 female) Boone L. (RLK). **Common Goldeneye**: 13 Nov (1) farm pond in Washington Co (RLK), ers. **Ruddy Duck**: 2 Nov (41) Boone L. (RLK), max.

Loon - Stork: **Common Loon**: 2 Nov (1, flying over) Greeneville (DHM), unusual site. **Pied-billed Grebe**: 1 Aug (1) Steele Cr. Park, Bristol (LCM), ers. ***Podiceps* sp.**: 12-20 Sep (1) Eagle Bend (Nell Moore, m.ob., photo - Ron Hoff), see comments in introduction. **American White Pelican**: 16 Sep (1) Upper Douglas L. (Rose Lapp). **American Bittern**: 13 Sep (1) Rankin Bottoms (David Trently); 30 Sep (1) Austin Springs (RLK); 15 Oct (1) Standifer Gap Marsh (Leonard Kafka); 22 Nov (1) Brainerd Levee (Richard Schier), late. **Least Bittern**: 5 Aug/16 Sep (1) Greene Co (RBB, LCM, DAH, Dianne Draper/DHM); 4 Oct (1) Standifer Gap Marsh (DEP), lrs there. **Great Egret**: 2 Sep (266) Rankin Bottoms (DHM), max. **Snowy Egret**: 5-14 Aug (2-3) Kingston Steam Plant (C&LE, m.ob.). **Little Blue Heron**: 13 Aug (1 im) Sullivan Co (JWC, LCM, Jacki Hinshaw); thru 9 Sep (max 40 im. on 5 Aug) Rankin Bottoms (MBS, LJG, m.ob.), new high count there; 5-11 Aug/2 Sep (2 im) Kingston Steam Plant (C&LE/CPN); 7 Aug (1 im) Austin Springs (LCM); 21 Oct (2 im) Rankin Bottoms (DHM), very late. **Cattle Egret**: 12 Aug - 9 Sep (2-12) Rankin Bottoms (RBB, TSM, DAH, m.ob.); 20-29 Aug (4-1) Austin Springs (RLK, m.ob.). **Green Heron**: 2 Nov (1) Eagle Bend (AJT); 25 Nov (1) Middlebrook L., Bristol (JWC, Chris O'Bryan, Andy Jones), lrs. **White Ibis**: 5 Aug - 1 Sep (1-3 im) Rankin Bottoms (MBS, LJG, m.ob.); 5 Aug (1 ad) Kingston Steam Plant (C&LE). **Wood Stork**: thru 5 Sep (1 im) Rankin Bottoms (RLK, MBS, m.ob.).

Hawk - Crane: **Red-tailed Hawk**: thru season (1 albino) Limestone, Washington Co (DAH, RLK); early Oct thru Nov (1 albino) near Colonial Heights, Sullivan Co (Bill Grigsby et al.). **Rough-legged Hawk**: 7 Oct (1 dark morph) Greene Co (DHM et al.), remarkably early. **Golden Eagle**: 9 Nov (1) Bradley Co (Zach Barrow), possibly first Co record. **Merlin**: 24 Aug (1) Bristol (LCM); 17 Sep/2 Oct (1/2) Rankin Bottoms (CPN/MBS, LJG); 24 Oct (1) Marion Co (J.N. Howard). **Peregrine Falcon**: 26 Aug intermittently thru season (1-2) Rankin Bottoms/Upper Douglas L. (m.ob.); 24 Sep (1) Johnson City (LCM, TSM, DAH et al.); thru season (2 ad) Chickamauga Dam, Hamilton Co (m.ob.). **Virginia Rail**: 16 Sep/24 Nov (1/3) Greene Co (DHM); 11 Oct (1) Hamilton Co (Christine Bock); thru season (1-7) Standifer Gap Marsh (DEP). **Sora**: 1/16 Sep (6/4) Greene Co (DHM); 22 Oct (1) Brainerd Levee (KAC); thru 15 Nov (1-8) Standifer Gap Marsh (DEP). **American Coot**: 14 Aug (1) Kingston Steam Plant (EM), ers. **Sandhill Crane**: 29 Oct (7) Kingston Steam Plant (CG); 29 Oct - 24 Nov (1-6) Upper Douglas L. (MBS, LJG); east of usual corridor. **Whooping Crane**: 22 Nov (1 ad) Hiwassee Refuge, Meigs Co (Doug Geren), from a previous "class" of Operation Migration; 2-3 Dec (18 im) Hiwassee Refuge (m.ob.), birds from Operation Migration led by ultra-light aircraft en route to Florida.

Shorebirds: **Black-bellied Plover**: 5 Aug/5 Sep (1/3) Rankin Bottoms (MBS, LJG/KDE); 11 Aug (1) Kingston Steam Plant (C&LE); 29 Oct (1) Upper Douglas L. (MBS, LJG). **American Golden-Plover**: 16-17 Sep (1) Rankin Bottoms (MBS, LJG). **Semipalmated Plover**: 26 Aug (30+) Rankin Bottoms (KDE, KTOS), max. **Killdeer**: 30 Aug (480+) Rankin Bottoms (MBS), new high count there. **American Avocet**: 1-20 Sep (1) Rankin Bottoms (RLK, m.ob.); 1 Oct (1) Austin Springs (RLK). **Greater Yellowlegs**: 3 Nov (1) Eagle Bend (AJT), lrs. **Lesser Yellowlegs**: 1 Sep (80) Rankin Bottoms (RLK), max; 22 Oct (1) Brainerd Levee (KAC et al.), lrs. **Willet**: 26-30 Aug/17 Sep (2/1) Rankin Bottoms (KDE, KTOS/Ron Hoff, Dollyann Myers). **Ruddy Turnstone**: 2 Sep (2) Kingston Steam Plant (CPN); 3 Sep (1) Rankin Bottoms (MBS, LJG). **Sanderling**: 30 Aug - 17 Sep (max 18 on 1 Sep) Rankin Bottoms (MBS, RLK, m.ob.); 2 Sep (2) Kingston Steam Plant (CPN). **Semipalmated Sandpiper**: 1 Sep (100+) Rankin Bottoms (RLK), max. **Western Sandpiper**: 11/14 Aug (5/2) Kingston Steam Plant (C&LE/EM); 26 Aug - 9 Sep (1-10+) Rankin Bottoms (KDE, KTOS, m.ob.). **Least Sandpiper**: 1 Sep (160+) Rankin Bottoms (RLK), max; 5-24 Nov (60-70) Upper Douglas L. (MBS, LJG), lrs. **White-rumped Sandpiper**: 1-9 Sep (7-1) Rankin Bottoms (RLK, m.ob.); 4 Sep (3) John Sevier L. (SHu). **Baird's Sandpiper**: 2 Sep (1) Rankin Bottoms (DHM). **Pectoral Sandpiper**: 1 Sep (195+) Rankin Bottoms (RLK), max; 5 Nov (4) Upper Douglas L. (DHM, MBS, LJG), lrs. **Dunlin**: 9 Oct/24 Nov (3/90) Upper Douglas L. (MBS, LJG), ers/max; 15 Oct (1) Austin Springs (RLK); 25 Oct/11 Nov (4/5) Kingston Steam Plant (AJT/KTOS); 2 Nov (1) Eagle Bend (AJT). **Stilt Sandpiper**: 9 Aug/26 Aug - 24 Sep (1/6-18) Rankin Bottoms (MBS, LJG/KDE, KTOS, RLK, m.ob.); 24 Aug (1) Eagle Bend (AJT). **Buff-breasted Sandpiper**: 24 Aug (1) Eagle Bend (AJT); 26 Aug - 3 Sep (1-7) Rankin Bottoms (KDE, KTOS, RLK, m.ob.); 2/9 Sep (2/1) Kingston Steam Plant (CPN/

CG). **Short-billed Dowitcher**: 7 Aug (1) Eagle Bend (AJT); 12 Aug - 9 Sep (max 34 on 1 Sep) Rankin Bottoms (RBB, TSM, DAH et al/RLK). **Wilson's Snipe**: 26 Aug (1) Rankin Bottoms (KDE, KTOS), ers. **Red-necked Phalarope**: 1-3 Sep (1) Rankin Bottoms (RLK, m.ob.). **Wilson's Phalarope**: 5 Aug (1) Kingston Steam Plant (C&LE); 9-12 Aug/1 Sep/6 Sep (1) Rankin Bottoms (MBS, LJG/RLK/DAH), latter bird killed by a Peregrine Falcon.

Gull - Hummingbird: **Laughing Gull**: 26 Aug - 13 Sep/21 Oct (1-2) Rankin Bottoms & Upper Douglas L. (KDE, KTOS, RLK, m.ob./DHM). **Franklin's Gull**: 11 Nov (1) Kingston Steam Plant (KTOS). **Ring-billed Gull**: 27 Aug (1) Upper Douglas L. (DHM), ers. **Caspian Tern**: 14 Aug/16 Sep (3/1) Kingston Steam Plant (EM /CG); 26 Aug - 3 Sep (1-3) Rankin Bottoms/Upper Douglas L. (RLK, m.ob.); 4 Sep (3) John Sevier L. (SHu); 5 Sep (1) Tennessee R., Hamilton Co (KAC). **Black Tern**: 15 Aug (1) Steele Cr. Park, Bristol (LCM); 19 Aug - 14 Sep (2-30) Rankin Bottoms/Upper Douglas L. (DHM, MBS, m.ob.); 31 Aug - 1 Sep (1) Greene Co (DHM). **Forster's Tern**: 9 Sep (7) Upper Douglas L. (DHM), max; 7 Oct (1) John Sevier L. (SHu), lrs. **INCA DOVE**: 18 Oct thru season (1, at feeder) Morristown, Hamblen Co (Ben Britton, m.ob., photo), first regional record & about the third for state. **Barn Owl**: 25 Sep/7 Oct (1) separate Greene Co sites (DAH/DHM); 13 Nov (1) Bristol (JWC, LCM). **Short-eared Owl**: 2 Nov (1) Washington Co (Barney Keffer). **Northern Saw-whet Owl**: 3 Nov (1 ba.) Seven Is. Refuge, Knox Co (Jim Giocomo). **Common Nighthawk**: 3 Nov (1) Kingsport (JSM), lrs. **Chuck-wills-widow**: 30 Sep - 2 Oct (2, "flight-feeding" at dawn & dusk) Kingsport (JSM), lrs. **Ruby-throated Hummingbird**: 27 Oct (1) Johnson City (fide RLK), lrs. **Rufous Hummingbird**: mid Oct thru season (3/1) Washington/Greene Co (fide RLK); late Oct thru season (2) Hamilton Co (fide KAC).

Flycatcher - Thrush: **Olive-sided Flycatcher**: 24 Aug (1) Hamilton Co (Harold Birch); 9 Oct (1) Knox Co (KDE), late. **Eastern Wood-Pewee**: 1 Sep (ad. feeding 2 yg) Greene Co (DHM), 5 days later than published late date for fledglings; 19 Oct (1) Washington Co (RLK), lrs. **Yellow-bellied Flycatcher**: 16-17 Sep (1) Knox Co (KDE); 19 Sep (1) Blount Co (KDE); 22 Sep (1) Hamilton Co (KAC). **Scissor-tailed Flycatcher**: 5 Sep (1) Marion Co (Dennis & Gwen Harris). **Blue-headed Vireo**: 1 Nov (1) Kingsport (JSM), lrs. **Warbling Vireo**: 25 Sep (1) Greene Co (DHM), lrs. **Philadelphia Vireo**: 6 Sep (1) Craven's House (KAC, DRJ et al.); 16 Sep (1) Greene Co (DHM); 11 Oct (1) Austin Springs (RLK). **Fish Crow**: 10-14 Aug (3) Lyon's Bend, Knox Co (SHo). **Common Raven**: 31 Aug intermittently thru season (1-2) Bristol (LCM et al.); 27 Sep (1) Kingsport (JSM). **Cliff Swallow**: 30 Sep (2) Austin Springs (RLK), lrs. **Red-breasted Nuthatch**: 21 Oct (1) Hamilton Co (DEP), only report. **Brown-headed Nuthatch**: 7 Oct (2) Concord Park, Knox Co (CG). **Sedge Wren**: 22 Oct (2) Brainerd Levee (KAC et al.). **Marsh Wren**: 16 Sep/24 Nov (1) Greene Co (DHM); 4 Oct - 14 Nov (2-6) Standifer Gap Marsh (DEP); 22 Oct (6) Brainerd Levee (KAC et al.). **Gray-cheeked Thrush**: 16 Sep (75+, nocturnal flight) Greene Co (DHM), max. **Swainson's Thrush**: 16 Sep (600+, nocturnal flight) Greene Co (DHM), max.

Warbler - Siskin: **Golden-winged Warbler**: 23 Aug (1) Knox Co (SHo); 29 Aug/6 Sep (2/1) Craven's House (KAC et al.); 11 Sep (1) Greene Co (DHM). **Tennessee Warbler**: 10 Nov (2) Standifer Gap Marsh (DEP), lrs. **Orange-crowned Warbler**: 23 Oct (1) Greene Co (DHM); 26 Oct (1) Hamilton Co (KAC). **Magnolia Warbler**: 21 Oct (1) Greene Co (DHM), lrs. **Yellow-rumped Warbler**: 4 Sep (1) Kingsport (JSM), ers. **Cerulean Warbler**: 27 Aug (3) Craven's House (KAC, DRJ); 4 Sep (1) Knox Co (KDE). **Ovenbird**: 5 Nov (1) Sequatchie Co (Clyde Blum), lrs. **Northern Waterthrush**: 17 Oct (1) Greene Co (DHM), lrs. **Mourning Warbler**: 25 Aug/7 & 11 Sep (1) Greene Co (DHM). **Wilson's Warbler**: 2/4 Sep (1) separate Hamilton Co sites (KAC/DRJ); 30 Sep (1) Washington Co (RLK). **Summer Tanager**: 19 Nov into Dec (1) Hamilton Co (Mary Lynn Buttram), lrs. **Grasshopper Sparrow**: 15 Oct (1) Greene Co (DHM); 26 Oct (1) Washington Co (FJA), lrs. **Lincoln's Sparrow**: 13 Oct (1) Knox Co (EM); 15/20 Oct (1/2) Greene Co (DHM); 20 Oct (1) Sullivan Co (RLK); 22 Oct (6) Brainerd Levee (KAC et al.). **Lapland Longspur**: 13-25 Nov (1) Limestone, Washington Co (RLK, DHM). **Dickcissel**: 7/14 Sep (1/2) Greene Co (DAH). **Brewer's Blackbird**: early Nov (1, at feeder) Bluff City, Sullivan Co (Bert Hale, photo). **Baltimore Oriole**: 2 Oct (1) Kingsport (JSM), lrs. **Purple Finch**: 24 Nov (1) Sullivan Co (Bert Hale), only report. **Pine Siskin**: 24 Oct (2) Marion Co (J.N. Howard), only report.

Locations: Austin Springs - in Washington Co; Boone L. - in Sullivan & Washington Cos; Brainerd Levee - in Hamilton Co; Craven's House - unit of Chickamauga & Chattanooga National Military Park, in Hamilton Co; Eagle Bend - fish hatchery in Anderson Co; John Sevier L. - in Hawkins Co; Kingston Steam Plant - in Roane Co; Rankin Bottoms - in Cocke Co; Standifer Gap Marsh - in Hamilton Co; Upper Douglas L. - in Cocke & Jefferson Cos (just downstream from Rankin Bottoms).

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EASTERN MOUNTAIN REGION — Daily temperatures were above normal for the period, averaging about two degrees warmer than usual. Precipitation was above average for the period by about four inches with most of the extra rainfall coming in August and September.

Banding operations for songbirds were conducted again at three locations in the region this fall. In addition, a raptor banding operation and a raptor migration count (see Table 1) were conducted at Big Bald Mountain. Tennessee Warblers and Swainson's Thrushes were banded in good numbers this year. Ovenbird numbers were higher than normal. Six Hermit Thrushes banded on Roan Mountain still had juvenile plumage indicating they were locally hatched. Summaries for each banding station follow.

• Carver's Gap on Roan Mountain, Carter County, TN, and Mitchell County, NC: 17 Aug. - 10 Oct 749 birds of 47 species banded), Richard L. Knight, bander.

Top species banded: Swainson's Thrush (169), Tennessee Warbler (161), Black-throated Blue Warbler (115), Dark-eyed Junco (73), Ovenbird (31).

• Big Bald Mountain, Unicoi County: 26 Aug. - 31 Oct. (2155 birds of 52 species banded), G. Rad Mayfield, bander. Top species banded: Tennessee Warbler (695), Swainson's Thrush (389), Black-throated Blue Warbler (180), Dark-eyed Junco (122), Ruby-crowned Kinglet (113).

• Big Bald Mountain hawk and owl banding operation, Unicoi County: 7 Sep. - 10 Nov. (125 birds of 9 species banded), Mark Hopey, bander. Species banded: Northern Harrier (1), Sharp-shinned Hawk (54), Cooper's Hawk (25), Red-shouldered Hawk (4), Red-tailed Hawk (19) American Kestrel (3), Merlin (6), Peregrine Falcon (5), and Northern Saw-whet Owl (8).

• Whigg Meadows, Monroe County: 2-23 Sep. (1211 birds of 44 species banded), David F. Vogt, bander. Top species banded: Tennessee Warbler (580), Swainson's Thrush (115), Black-throated Blue Warbler (74), Magnolia Warbler (65), Ovenbird (55).

Duck - Grebe: **Blue-winged Teal**: 19 Sep (255) S. Holston L. (RLK), max. **Northern Shoveler**: 19 Sep (4) S. Holston L. (RLK), ers. **Green-winged Teal**: 21 Nov (19) Wilbur L. (Jean & Brookie Potter), max. **Greater Scaup**: 12 Nov (1) S. Holston R. weir, Sullivan Co (Rob Biller, TSM, LCM, DAH, Dianne Draper). **Lesser Scaup**: 2 Nov (240) S. Holston L. (RLK), max. **Surf Scoter**: 14 Oct (1) S. Holston L. (DAH, Dianne Draper, RLK, JWC et al.); 9 Nov (3) Watauga L. (FJA). **White-winged Scoter**: 3-9 Nov (1) Wilbur L. (RLK, m.ob.). **Black Scoter**: 9 Nov (1 male) Watauga L. (FJA). **Long-tailed Duck**: 23 Nov (3) S. Holston L. (Rack Cross, Sam Cross et al.). **Ruddy Duck**: 29 Sep (1) S. Holston L. (RLK), quite early; 2 Nov (21) S. Holston L. (RLK), max. **Northern Bobwhite**: 25 Oct (5) Carver's Gap (RLK). **Red-throated Loon**: 8 Oct/24 Nov (1) S. Holston L. (DAH/TSM, m.ob.). **Horned Grebe**: 22 Nov (71) Watauga L. (TSM), max. **Eared Grebe**: 30 Aug (1) S. Holston L. (RLK), ers, present thru season, max 9 (m.ob.).

Cormorant - Crane: **Double-crested Cormorant**: 25 Oct (8, flying over) Roan Mtn (RLK). **American Bittern**: 25 Sep (1) Quarry Bog (RLK). **Least Bittern**: 25/30 Sep (1) Quarry Bog (RLK/DAH), second record there. **Great Egret**: 9 Aug (4) S. Holston L. (JWC); 30 Sep (1) Watauga L., Johnson Co portion (J.T. McNeil, TSM, Rob Biller); 4 Nov (12) S. Holston R. weir, Sullivan Co (TSM). **Yellow-crowned Night-Heron**: 12 Sep (1) Elizabethton (RLK), lrs. **SWALLOW-TAILED KITE**: 13 Aug (1) Camp Cr. Bald, Greene Co (DAH, Dianne Draper, Jim Holt, Larry & JoAnne Routledge). **Bald Eagle**: thru season (1-3) S. Holston L. (JWC, m.ob.); 28 Oct (1) Wilbur L. (BKS, Gil Derouen). **Northern Harrier**: 27 Aug (1) Roan Mtn (RLK), ers. **Northern Goshawk**: 30 Sep (1) Roan Mtn (FJA, LCM). **Broad-winged Hawk**: 18 Aug (flock of 5) Roan Mtn (RLK), early migrants. **Merlin**: 8-27 Sep (5 sightings) Carver's Gap (RLK); 30 Sep (1) Watauga R., Carter Co (GOW et al.); 3 Nov (2) Elizabethton (TSM). **Peregrine Falcon**: 17-20 Oct/18 Nov (1 im) S. Holston L. (RLK et al.); 4 Nov (1) Watauga L. (TSM). **Virginia Rail**: 3-10 Oct (1-2) Quarry Bog (BKS et al.). **Sora**: 25 Sep - 18 Oct (1-3) Quarry Bog (RLK, m.ob.); 1 Oct (1) Cades Cove

(SHo, Kris Johnson). **Sandhill Crane**: 25 Sep (1) Shady Valley, Johnson Co (RLK), record early & only report.

Plover - Tern: **Black-bellied Plover**: 19 Sep (1) S. Holston L. (RLK). **Spotted Sandpiper**: 20 Oct (1) S. Holston L. (RLK), lrs. **Sanderling**: 28 Aug - 8 Sep (1-2) S. Holston L. (AJT, m.ob.). **Ruddy Turnstone**: 5 Sep (1) S. Holston L. (RLK). **Stilt Sandpiper**: 30 Aug (1) S. Holston L. (RLK). **Dunlin**: 6 Oct (1) S. Holston L. (RLK et al.). **American Woodcock**: 3-28 Sep (1) Carver's Gap (RLK). **Ring-billed Gull**: 19 Sep (1) S. Holston L. (RLK), ers. **Herring Gull**: 6-7 Sep (1 im) S. Holston L. (Richard Kretz, JWC, RLK), quite early. **Caspian Tern**: 14 Aug - 10 Oct, intermittently (1-5) S. Holston L. (JWC, m.ob.). **Black Tern**: 15 Aug - 5 Sep (1-8) S. Holston L. (RLK, m.ob.). **Common Tern**: 19 Sep (66) S. Holston L. (RLK et al.). **Forster's Tern**: 14 Aug - 20 Oct, intermittently (1-15) S. Holston L. (JWC, m.ob.); 31 Aug (2) Watauga R., Carter Co (GOW).

Cuckoo - Pipit: **Yellow-billed Cuckoo**: 2 Oct (1) Roan Mtn village (RLK), lrs. **Black-billed Cuckoo**: 18 Aug (1) Carver's Gap (RLK); 11 Sep/7 Oct (2, ba.) Big Bald Mtn (GRM). **Short-eared Owl**: 13 Oct (1) Big Bald Mtn (MH, Kathy Gunther). **Northern Saw-whet Owl**: 7 Sep - 18 Oct (8 ba.) Big Bald Mtn (MH, Kathy Gunther), in addition there were 2 recaptures of owls banded last fall, thought to be local birds. **Rufous Hummingbird**: mid Oct thru season (1 ad male) Fish Springs, Carter Co (fide RLK); mid Oct thru late Nov (1 im female) Roan Mtn (fide James Brooks); both ba. 29 Oct (Mark Armstrong). **Yellow-bellied Sapsucker**: 4 Oct (2 ba.) Carver's Gap (RLK); 7-15 Oct (4 ba.) Big Bald Mtn (GRM). **Yellow-bellied Flycatcher**: 24 Sep (1) Holston Valley (RLK). **Alder Flycatcher**: 17 Aug (1 ba.) Carver's Gap (RLK), lrs. **Least Flycatcher**: 22 Aug (1 ba.) Carver's Gap (RLK); 3/9 Sep (2 ba.) Big Bald Mtn (GRM). **White-eyed Vireo**: 17 Oct (1) Holston Valley (RLK), lrs. **Philadelphia Vireo**: 9/18 Sep (2 ba.) Big Bald Mtn (GRM); 21 Sep (1 ba.) Whigg Meadows (DFV); 28 Sep (1) Elizabethton (RLK). **Tree Swallow**: 28 Oct (3) S. Holston L. (RLK), lrs. **Bank Swallow**: 2 Sep (1) Carver's Gap (RLK). **Carolina Chickadee**: 16 Sep - 9 Oct (7 ba.) Big Bald Mtn (GRM); 2 Oct (1 ba.) Carver's Gap (RLK); uncommon at high elevation. **Sedge Wren**: 25 Sep/13 Oct (1) Quarry Bog (RLK/DAH, Bill Grigsby); 1 Oct/5 Nov (1) Cades Cove (SHo et al.). **Marsh Wren**: 25 Sep - 18 Oct (1-6) Quarry Bog (RLK, m.ob.); 1 Oct (1) Cades Cove (SHo, Kris Johnson). **Ruby-crowned Kinglet**: 10 Sep (1) Carver's Gap (RLK), ers. **Swainson's Thrush**: 25 Aug (1) Carver's Gap (RLK), ers. **Hermit Thrush**: 22 Aug - 27 Sep (6 spotted juveniles, ba.) Carver's Gap (RLK), further evidence of local breeding. **American Pipit**: 5 Oct (1) Shady Valley, Johnson Co (RLK), ers.

Warblers: **Blue-winged Warbler**: 13 Sep (1) Holston Valley (RLK); 14 Sep (1) Carver's Gap (RLK); 15 Sep (1 ba.) Whigg Meadows (DFV); only reports. **Golden-winged Warbler**: 10/12 Sep (2 ba.) Whigg Meadows (DFV); 18 Sep (1 ba.) Big Bald Mtn (GRM); 20 Sep (2) Roan Mtn SP (RLK), lrs. **Tennessee Warbler**: 22 Aug (2) Carver's Gap (RLK), ers; 17 Sep (122 ba.) Big Bald Mtn (GRM), max; 25 Oct (2) Roan Mtn SP (RLK), lrs. **Orange-crowned Warbler**: 6 Oct (1) Erwin, Unicoi Co

(BKS); 30 Oct (1) Elizabethton (RLK). **Northern Parula**: 28 Nov (1, found dead) Elizabethton (fide BKS, GOW), had been dead about 1-2 days, record late locally by about a month. **Yellow Warbler**: 7 Sep (1) S. Holston L. (RLK), lrs. **Cape May Warbler**: 25 Aug (2) Carver's Gap (RLK), ers. **Blackburnian Warbler**: 5 Nov (1) near Milligan College, Carter Co (FJA), record late locally by 2 weeks. **Prairie Warbler**: 14 Sep (1 ba.) Carver's Gap (RLK). **Blackpoll Warbler**: 15 Sep (1 ba.) Big Bald Mtn (GRM), rare in fall. **Connecticut Warbler**: 8/15/16 Sep (3 ba.) Big Bald Mtn (GRM). **Mourning Warbler**: 29 Aug (1) S. Holston L. (RLK), record early locally by 4 days. **Canada Warbler**: 12 Sep (1) Elizabethton (RLK), lrs. **Wilson's Warbler**: 10 Sep (1) Roan Mtn SP (LCM); 17 Sep (1) Hampton, Carter Co (BKS). **Yellow-breasted Chat**: 25 Oct (1) Watauga L. (RLK), record late locally by 17 days.

Tanager - Siskin: **Summer Tanager**: 21 Sep (1) Carver's Gap (RLK), unusual at high elevation. **Savannah Sparrow**: 13 Aug (1) Holston Valley (JWC, LCM). **LeConte's Sparrow**: 10/12 Oct (1) Quarry Bog (Reece Jamerson, Gil Derouen/ RLK), fourth local record. **Nelson's Sharp-tailed Sparrow**: 30 Sep (1) Quarry Bog (DAH). **Fox Sparrow**: 5 Nov (1) Cades Cove (SHo), ers. **Lincoln's Sparrow**: 25 Sep (3) Quarry Bog (RLK). **Swamp Sparrow**: 30 Sep (1) Buffalo Mtn., Washington Co (RLK), ers. **White-crowned Sparrow**: 10 Oct (1 ba.) Carver's Gap (RLK); 21 Oct (1 ba.) Big Bald Mtn (GRM); unusual at high elevation. **Rose-breasted Grosbeak**: 21 Sep (220+) Carver's Gap (RLK), max. **Bobolink**: 25 Sep (28) Quarry Bog (RLK), max. **Baltimore Oriole**: 28 Aug (3) Carver's Gap (RLK), unusual at high elevation. **Red Crossbill**: 17 Sep (1) Roan Mtn (RLK), only report despite a good cone crop there. **Pine Siskin**: thru season (max 16) Carver's Gap (RLK), with 1 im. ba. on 21 Sep.

Locations: Big Bald Mtn - in Unicoi Co; Cades Cove - in Great Smoky Mountains National Park; Carver's Gap - on Roan Mtn, in Carter Co; Holston Valley - in Sullivan Co; Quarry Bog - in Shady Valley, Johnson Co; Roan Mtn - in Carter Co; S. Holston L. - in Sullivan Co; Watauga L. - in Carter Co; Whigg Meadows - in Monroe Co; Wilbur L. - in Carter Co.

Corrigenda: in *Migrant* 77(1):32, 2006 - the date for Gadwall should be 17 Oct, not 17 Nov.

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KTOS - Knoxville chapter, TOS
MTOS - Memphis chapter, TOS

INSTRUCTIONS TO AUTHORS

The Migrant records observations and studies of birds in Tennessee and adjacent areas.

SUBMISSIONS: The original and two copies of the manuscript should be sent to the Editor: Christopher J. Welsh, 5337 Hickory Hollow Road, Knoxville, TN 37919. Manuscripts that have been published in other journals should *not* be submitted. Electronic copies on disk or sent by e-mail to <cwelsh@utk.edu> are greatly appreciated.

MATERIAL: The subject matter should relate to some phase of Tennessee ornithology. It should be original, factual, concise, and scientifically accurate.

STYLE: Both articles and short notes are solicited; recent issues of *The Migrant* should be used as a guide in the preparation of manuscripts. Where more detail is needed, reference should be made to the *CBE Style Manual;* this book is available at many public libraries and from the Council of Biology Editors, Inc., 111 East Wacker Drive, Suite 3200, Chicago, IL 60601-4298.

COPY: Manuscripts should be typed *double-spaced* on 8.5 x 11" paper with adequate margins for editorial notations. Tables and figures should be prepared on separate sheets with appropriate headings; see *CBE Style Manual* for examples of appropriate form for tables. Photographs intended for reproduction should be sharp with good contrast on glossy white paper; black-and-white photographs will usually reproduce better than color photographs. Weights, measurements, and distances should be in metric units. Dates should be in "continental" form (e.g., 16 March 1997). Use the 24-hour clock (e.g., 0500 or 1900).

NOMENCLATURE: The scientific name of a species should be given after the first use of the full common name in the text. The scientific name should be underlined and in parentheses. Names should follow the *A. O. U. Check-list of North American Birds* (seventh edition, 1998, or supplements).

TITLE: The title should be concise, specific, and descriptive.

ABSTRACT: Manuscripts of five or more typed pages should include an abstract. The abstract should be less then 5% of the length of the manuscript. It should include a brief explanation of why the research was done, the major results, and why the results are important.

LITERATURE CITED: List all literature citations in a "Literature Cited" section at the end of the text. Text citations should include the author and year.

IDENTIFICATION: Manuscripts including reports of rare or unusual species or of species at atypical times should include: date and time, light and weather conditions, exact location, habitat, optical equipment, distance, behavior of bird, comparison with other similar species, characteristic markings, experience of observer, other observers verifying the identification, and reference works consulted.

REPRINTS: Reprints are available to authors on request. Billing to authors will be through the TOS Treasurer. Request for reprints must be made well in advance of printing.

SEASON REPORTS: Observations that are to be considered for publication in "The Season" section should be mailed to the appropriate Regional Compiler. Consult a recent issue of *The Migrant* for the name and address of the compiler.

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